

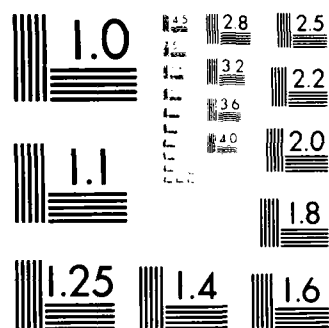
SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
SIGONELLA SICILY(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC DEC 84

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MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

PHOTOGRAPH THIS SHEET

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INVENTORY

AD-A150 375

DTIC ACCESSION NUMBER

SMCS, Sigonella, Sicily

DOCUMENT IDENTIFICATION

Dec 1984

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SUMMARY OF METEOROLOGICAL OBSERVATIONS, SURFACE

AD-A150 375

STATION	DATE
POSITION	DATE
JOB NO. 72006	
DATE	

PREPARED BY
NAVAL OCEANOGRAPHY
COMMAND DETACHMENT,
FEDERAL BUILDING
ASHEVILLE, N.C. 28801

PREPARED FOR
COMMANDER,
NAVAL OCEANOGRAPHY
COMMAND
NSTL MS 39523



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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Summary of Meteorological Observations, Surface (SMOS) Sigonella, Sicily		5. TYPE OF REPORT & PERIOD COVERED Reference Report 1973-1982
		6. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(s) NA		8. CONTRACT OR GRANT NUMBER(s)
9. PERFORMING ORGANIZATION NAME AND ADDRESS Naval Oceanography Command Detachment Federal Building Asheville, NC 28801		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
11. CONTROLLING OFFICE NAME AND ADDRESS Commanding Officer Naval Oceanography Command Facility HSTL, MS 39529-5002		12. REPORT DATE December 1984
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14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office)		15. SECURITY CLASS. (of this report) Unclassified
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) Climatology, surface wind, temperature, precipitation, ceiling, visibility, relative humidity, station pressure, extreme temperatures, sea level pressure, daily temperature, weather conditions, monthly climatology, coastal region, snow depth, and cloud cover		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This data report consists of a six part statistical summary of surface weather observations. The six parts are: Part A - Weather Conditions/ Atmospheric Phenomena, Part B - Precipitation/Snowfall/Snow Depth, Part C - Surface Winds, Part D - Ceiling versus Visibility/Sky Cover, Part E - Psychrometric Summaries, Part F - Station Pressure/Sea Level Pressure		

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SECURITY CLASSIFICATION OF THIS PAGE (When Data Entered)

This update includes the period of record (PUR) 1944 through 1967, with all available data through 1967 for extreme values.

Information should be obtained by individual station along with previous SWS. The retention of these series will provide the most comprehensive climatological file for each station.

Finally, the third section is a brief description of the data comprising each part of the SWS, and the manner of presentation. Tabulations are prepared from 3-hourly and 3-day observations recorded by stations operated by the U.S. Navy and U.S. Marine Corps. 3-hourly observations are defined as those record or record-special observations recorded at 3-hourly intervals. Daily observations are selected from all data recorded on record-special observations and grouped into 3-hourly intervals (prepared from record-special, 3-hourly observations, etc.).

Efforts have been made to improve this tabulation have been computer edited for each station and record retention is prior to, or during the processing stage. Efforts to improve the SWS by adding data after our retention are expensive, i.e., the improvement might consist of the elimination of one suspect or erroneous value. The cost of preparing "perfect" copy can be considerable due to the human labor involved. Suspect cases will occur infrequently, but errors will not discovered extreme values completely as some could be valid. Questionable values will most likely be simply discarded, shown by a percentage frequency of "0". (This value indicates a percent less than "100", which, in most cases, reflects a single observation.) Since most stations summarized now have in excess of 10,000 3-hourly observations, the occurrence of an occasional suspect value should not in itself be considered significant. Every effort is made by this office to maintain a high degree of accuracy and reliability in these tables, and the Naval Oceanography (NOCD), Asheville, N.C. welcomes your comment and criticism.

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from 3-hourly observations, and is presented in three tables as follows:

1. By month and annual, all hours and years combined.
 2. By month and annual, all hours and years combined, by wind direction.
 3. By month, all years combined, by standard 3-hour groups.
- Occurrences of the various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet - Included are snow, sleet, snow pellets (soft hail), snow grains, and ice crystals.

Hail Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the total columns.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources.)

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Blanket spray - This item if reported, is not shown in a separate category on this form but is included in the computation. Percentage of Observations with Obstructions to Vision.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total column. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

NOTE: The total number of observations may vary among tables within the same month and period. Percentages may not always equal 100.0 due to rounding practices.

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrences of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual columns may not equal the total columns.

This presentation is by month with annual totals, and is prepared with all years combined.

NOTE: A day with rain and/or drizzle was not separately reported in WBAN data prior to January 1949. Therefore percentages in this column are restricted to the period January 1949 and later.

A day with dust and/or sand was punched and included in this summary only when visibility was less than 5/8 mile.

Percentage Frequency of Wind Direction vs. Weather Conditions - This tabulation is derived from 3-hourly observations and is presented by month and annual, all hours and years combined. The main body of the Summary consists of weather conditions (horizontally) and wind directions (vertically) to 16 compass points (plus calm). Column totals show the number of observations. "% Total" indicates percentage frequency of occurrences.

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WEATHER CONDITIONS

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WEATHER CONDITIONS

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WEATHER CONDITIONS

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PERCENTAGE FREQUENCY OF WIND DIRECTION AND WEATHER CONDITIONS

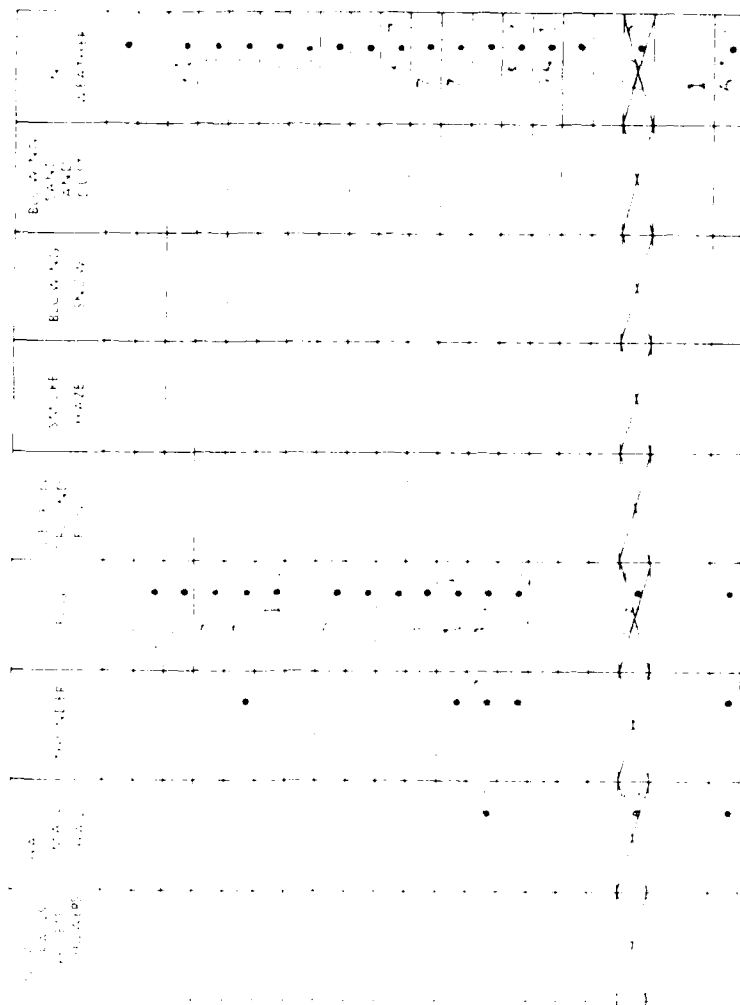
WIND DIRECTION	WIND SPEED	THUNDER	FOG	ICE FOG GROUND FOG	SMOKE HAZE	BLOWING SNOW	BLOWING SAND AND DUST	NO WEATHER
0	0		1					7
1	0							
2	0		7					
3	0		7					
4	0		2					
5	0		1					
6	0		3					
7	0		2					
8	0		2					
9	0		1					
10	0		1					
11	0		1					
12	0		1					
13	0		1					
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89	0		1					
90	0		1					
91	0		1					
92	0		1					
93	0		1					
94	0		1					
95	0		1					
96	0		1					
97	0		1					
98	0		1					
99	0		1					
100	0		1					

TOTAL NUMBER OF OBSERVATIONS

[illegible]

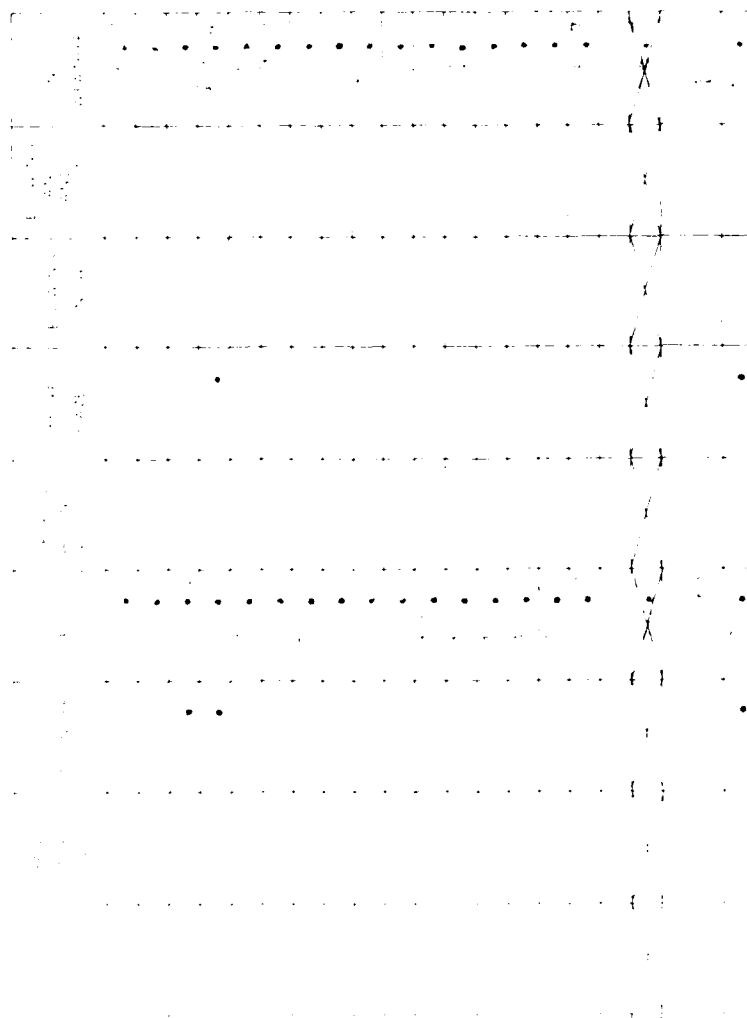
TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS



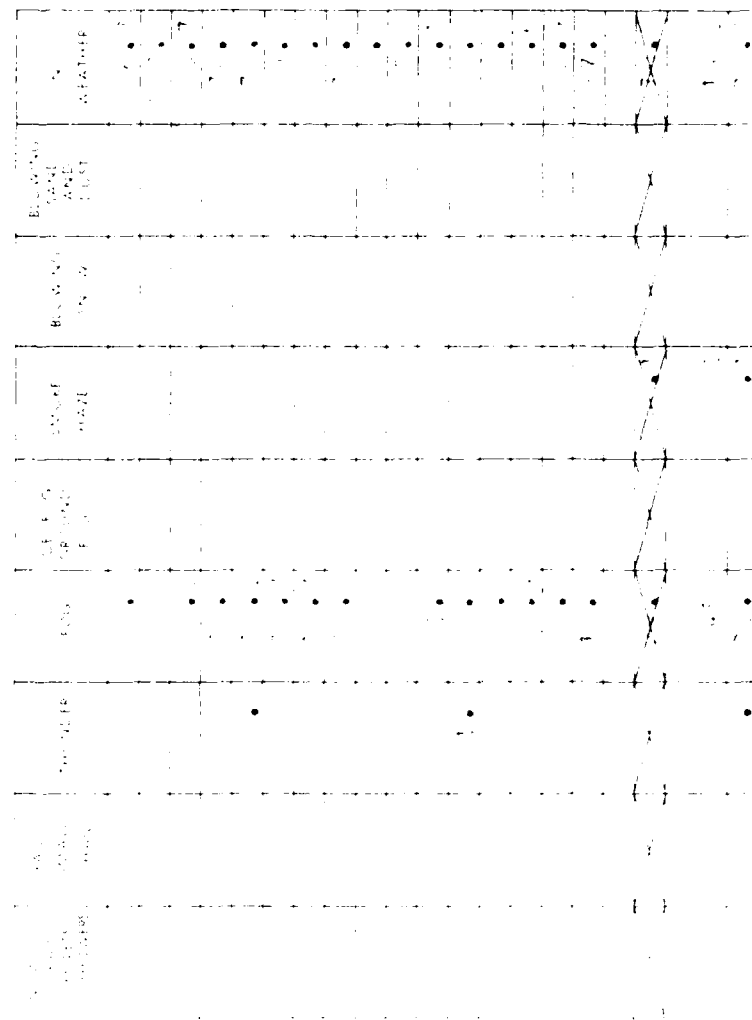
TOTAL NUMBER OF OBSERVATIONS

3 FREQUENCY OF WIND DIRECTION WEATHER CONDITIONS



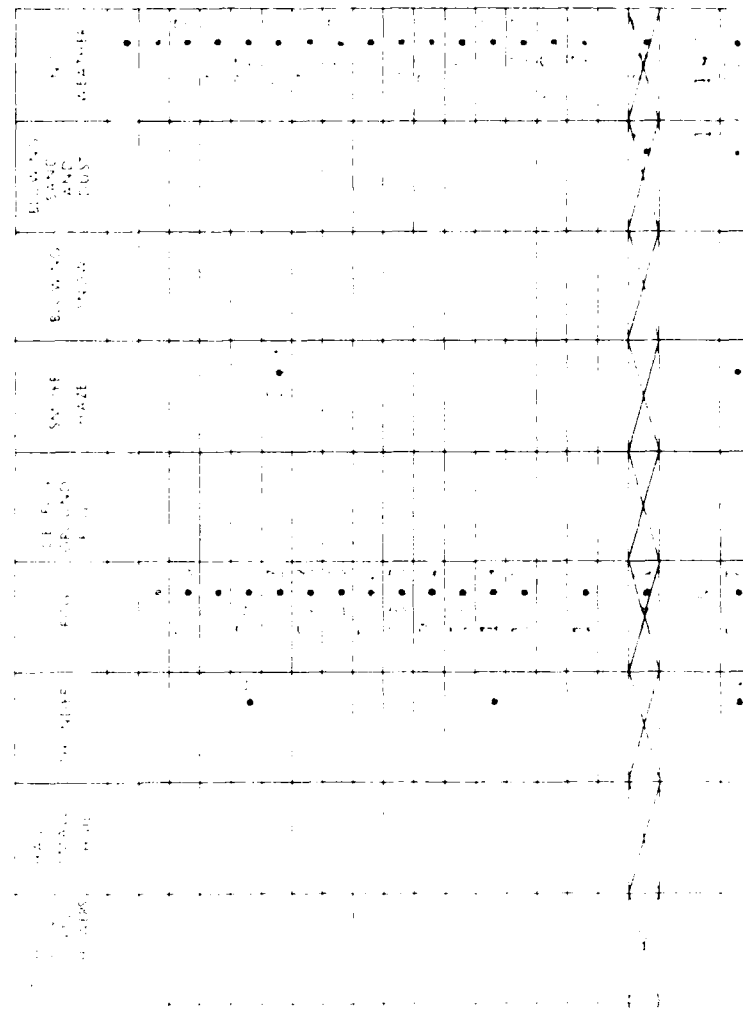
TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS



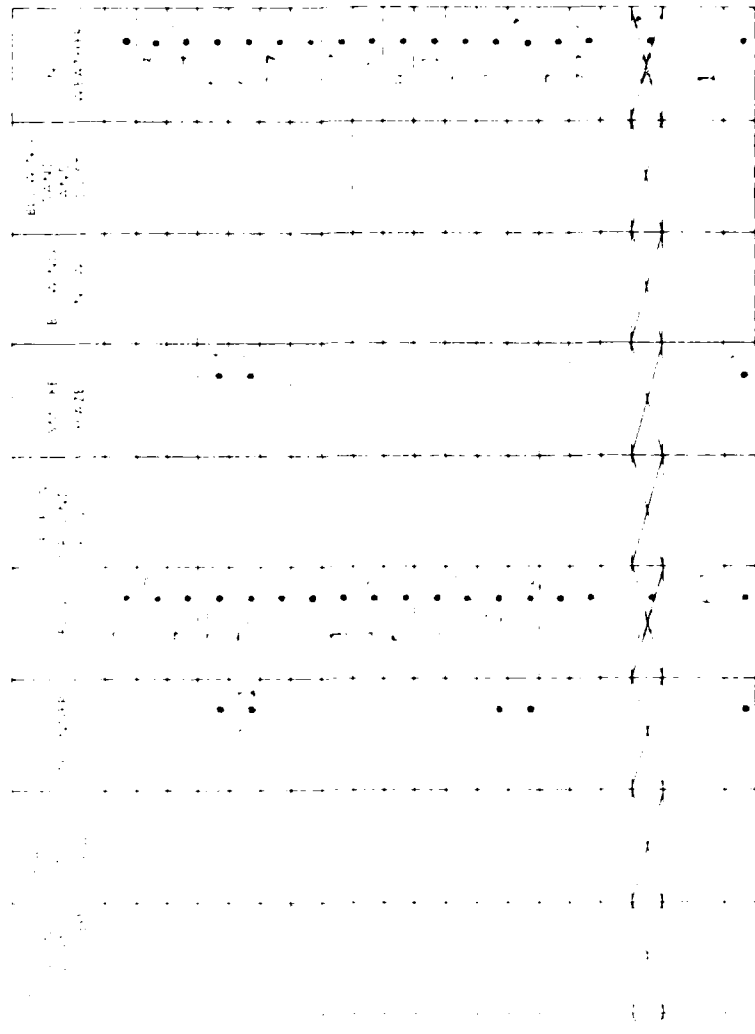
TOTAL NUMBER OF OBSERVATIONS

FREQUENCY OF WIND DIRECTION WEATHER CONDITIONS



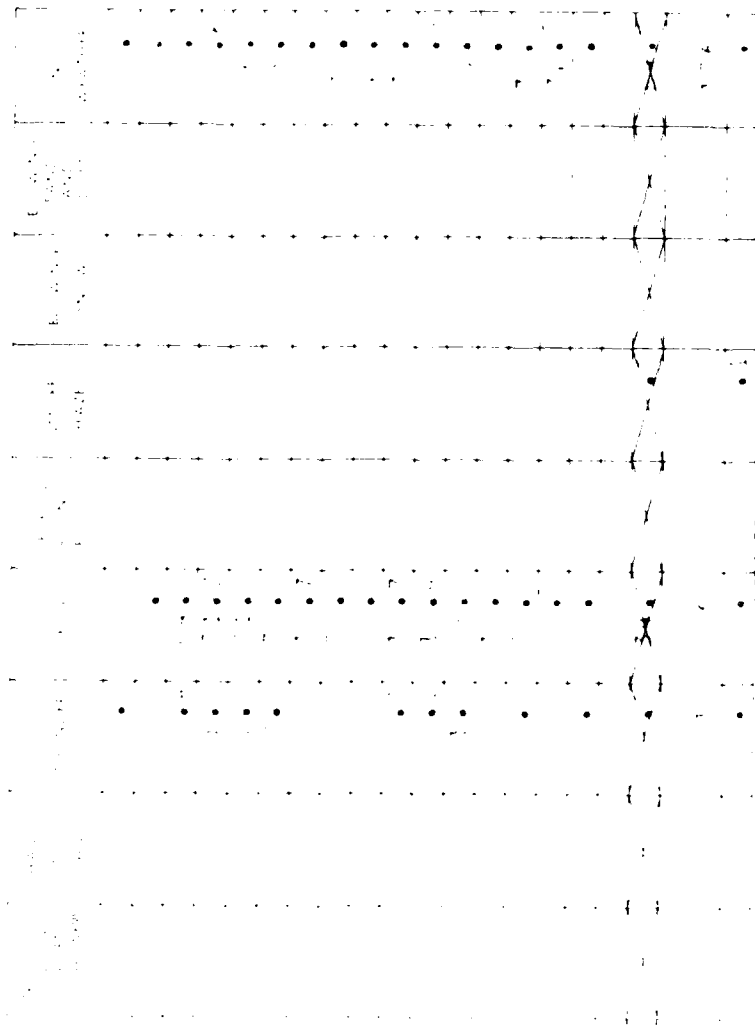
TOTAL NUMBER OF OBSERVATIONS

AVERAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS



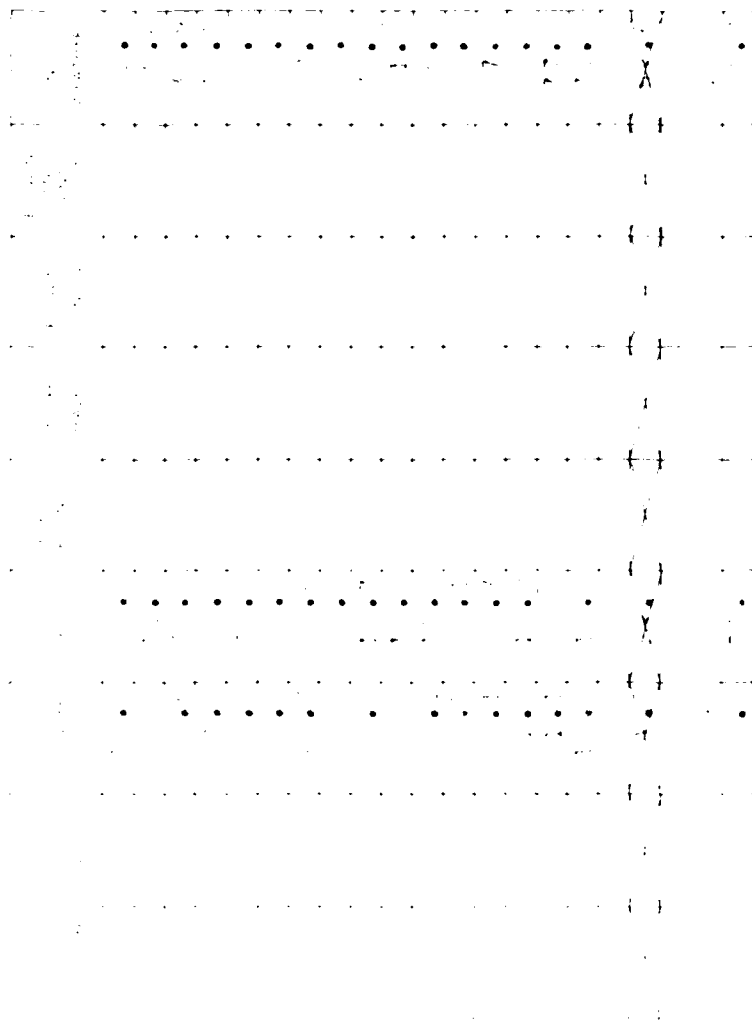
TOTAL NUMBER OF OBSERVATIONS

AGE FREQUENCY OF WIND DIRECTION
WEATHER CONDITIONS



TOTAL NUMBER OF OBSERVATIONS

AGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS

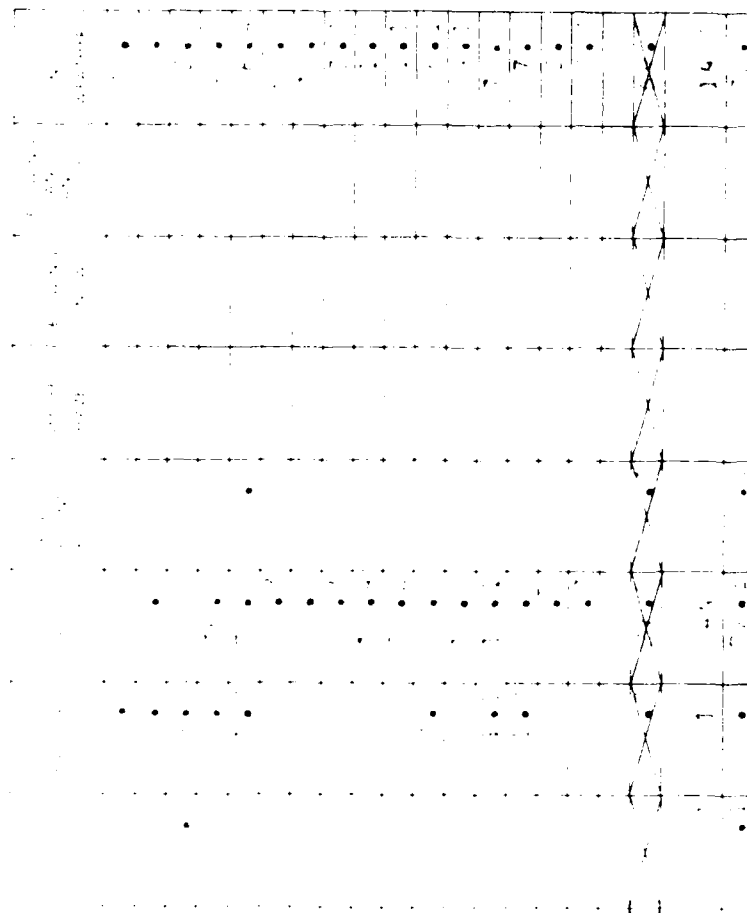


TOTAL NUMBER OF OBSERVATIONS

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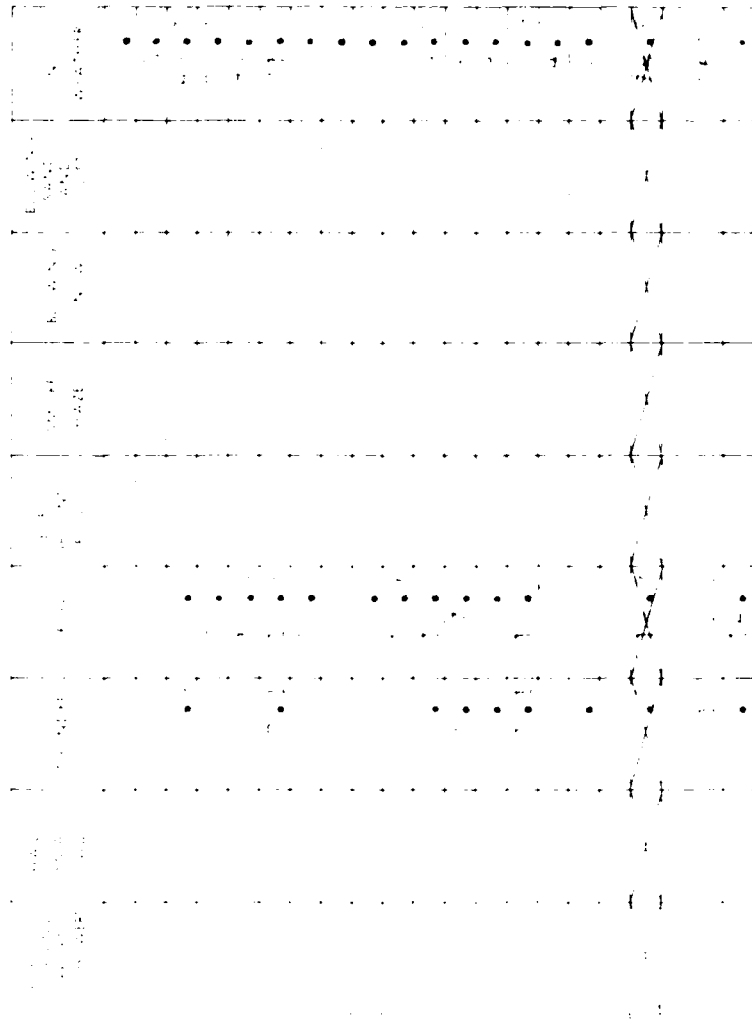
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3 TABLE 1. WIND DIRECTION AND WATER CONDITIONS



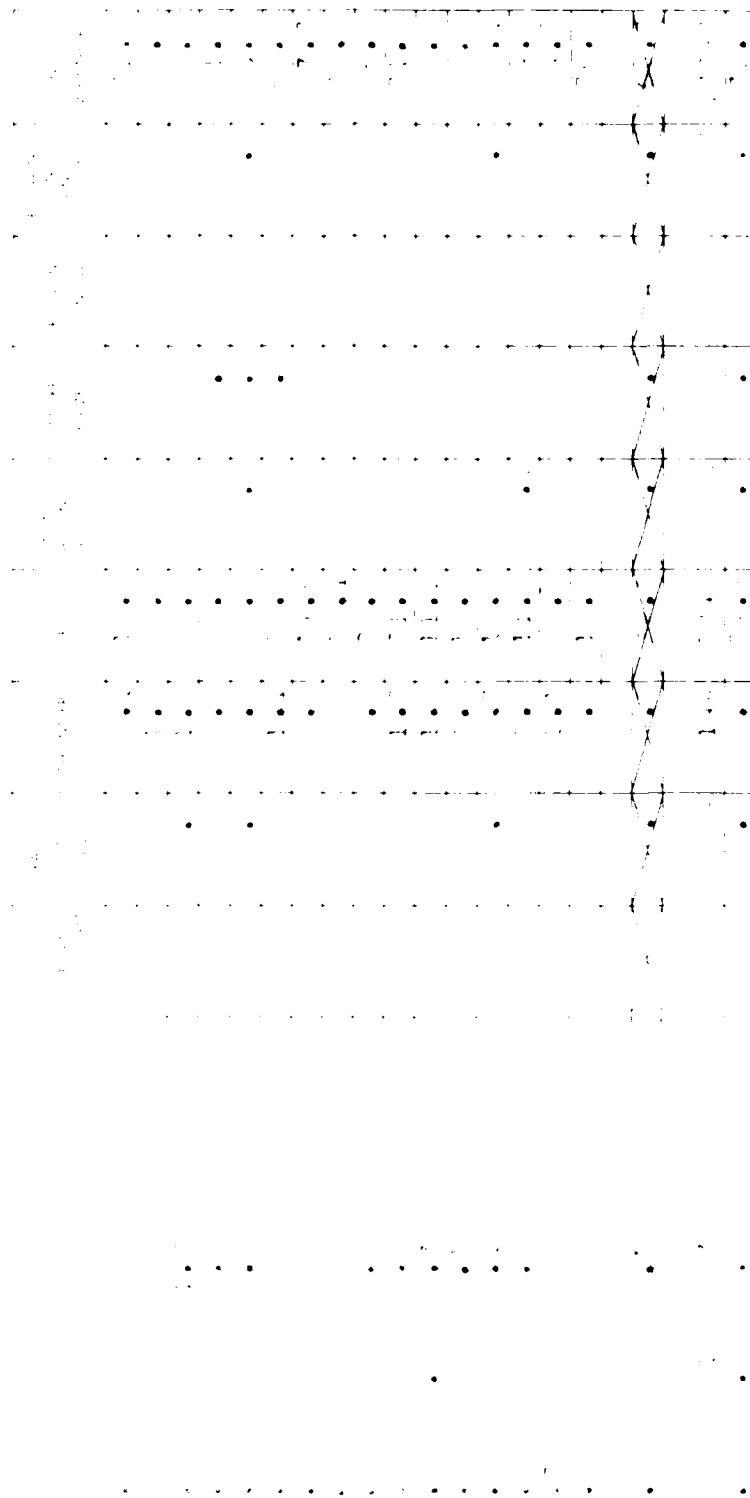
TOTAL NUMBER OF OBSERVATIONS

AVERAGE FREQUENCY OF WIND DIRECTION VS. WEATHER CONDITIONS



TOTAL NUMBER OF OBSERVATIONS

FREQUENCY OF WIND DIRECTION WEATHER CONDITIONS



TOTAL NUMBER OF OBSERVATIONS

PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This portion of the Uniform Summary presents in two sets of tables, the daily amounts and extreme values of the following:

PRECIPITATION

DERIVED FROM DAILY OBSERVATIONS

SNOWFALL*

DERIVED FROM DAILY OBSERVATIONS

SNOW DEPTH

DERIVED FROM DAILY OBSERVATIONS

1. The first table for each of the above presents the percentage frequency of various daily amounts, by month and annual, all years combined. The percentage of days with measurable amounts is also computed monthly and annually. Also shown for the precipitation and snowfall tables, are the monthly mean amounts, annual mean amounts (sum of monthly mean amounts), and the extreme monthly amounts (greatest and least). The latter statistics above are not presented for the snow depth summary since they would have limited value and may be misleading.

2. The second set of tables for each of the above presents the extreme daily amounts by individual year and month for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months). The extremes for a month are not printed nor used in computations if one or more observations are missing.

NOTE: Snow depth was recorded and punched at various hours during the period available from U. S. operated stations. The periods and hours used in the snow depth summary vary by service and period as follows:

Air Force Stations

From beginning of record thru 1945
Jan 46-May 57
Jun 57-present

Snow depth at 0800 LST
Snow depth at 1230 GCT
Snow depth at 1200 GCT

U. S. Navy and Weather Bureau Stations

From beginning of record thru Jun 52
Jul 52-May 57
Jun 57-present

Snow depth at 0030 GCT
Snow depth at 1230 GCT
Snow depth at 1200 GCT

* Hail was included in snowfall occurrence in the summary of the day observation prior to Jan 1956, and after Dec 1979.

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF

(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

	AMOUNTS (INCHES)												PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
	PREP	NONE	TRACE	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9			1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
SNOWFALL	NONE	NONE	TRACE	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
SNOW DEPTH	NONE	NONE	TRACE	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
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DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

PREL P	NONE	TRACE	OF	AMOUNTS INCHES										PERCENT OF DAYS WITH MEASUR ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS INCHES				
				01		02		03		04		05				06		MEAN	GREATEST	LEAST
				TRACE	NONE	TRACE	NONE	TRACE	NONE	TRACE	NONE	TRACE	NONE			TRACE	NONE			
				02 25	06 10	25	26 30	5 100	25 30	25 30	5 100	02 25	25 30	5 100	5 100	5 100	5 100	5 100	5 100	
ANNUAL	NONE	TRACE	0 104	05 14	15 24	25 34	35 44	45 64	65 74	65 74	65 74	65 74	65 74	65 74	65 74	65 74	65 74	65 74	65 74	
NEW LEG	NONE	TRACE	1	2	3	46	7 2	3 24	24 36	37 48	49 60	61 70	61 70	61 70	61 70	61 70	61 70	61 70	61 70	
JAN																				
FEB																				
MAR																				
APR																				
MAY																				
JUN																				
JUL																				
AUG																				
SEP																				
OCT																				
NOV																				
DEC																				
ANNUAL																				

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF
(FROM DAILY OBSERVATIONS)

STATION NAME

YEARS

	AMOUNTS (INCHES)												PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO OF OBS	MONTHLY AMOUNTS (INCHES)				
															MEAN	GREATEST	LEAST		
	NONE	TRACE	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0						1.1	1.2
JAN	NONE	TRACE	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2					
FEB	NONE	TRACE	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2					
MAR	NONE	TRACE	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2					
APR	NONE	TRACE	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2					
MAY	NONE	TRACE	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2					
JUN	NONE	TRACE	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2					
JUL	NONE	TRACE	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2					
AUG	NONE	TRACE	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2					
SEP	NONE	TRACE	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2					
OCT	NONE	TRACE	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2					
NOV	NONE	TRACE	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2					
DEC	NONE	TRACE	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2					
ANNUAL	NONE	TRACE	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0	1.1	1.2					

EXTREME VALUES

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MONTH	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
1941	1	2	3	4	5	6	7	8	9	10	11	12
1942	1	2	3	4	5	6	7	8	9	10	11	12
1943	1	2	3	4	5	6	7	8	9	10	11	12
1944	1	2	3	4	5	6	7	8	9	10	11	12
1945	1	2	3	4	5	6	7	8	9	10	11	12
1946	1	2	3	4	5	6	7	8	9	10	11	12
1947	1	2	3	4	5	6	7	8	9	10	11	12
1948	1	2	3	4	5	6	7	8	9	10	11	12
1949	1	2	3	4	5	6	7	8	9	10	11	12
1950	1	2	3	4	5	6	7	8	9	10	11	12
1951	1	2	3	4	5	6	7	8	9	10	11	12
1952	1	2	3	4	5	6	7	8	9	10	11	12
1953	1	2	3	4	5	6	7	8	9	10	11	12
1954	1	2	3	4	5	6	7	8	9	10	11	12
1955	1	2	3	4	5	6	7	8	9	10	11	12
1956	1	2	3	4	5	6	7	8	9	10	11	12
1957	1	2	3	4	5	6	7	8	9	10	11	12
1958	1	2	3	4	5	6	7	8	9	10	11	12
1959	1	2	3	4	5	6	7	8	9	10	11	12
1960	1	2	3	4	5	6	7	8	9	10	11	12
1961	1	2	3	4	5	6	7	8	9	10	11	12
1962	1	2	3	4	5	6	7	8	9	10	11	12
1963	1	2	3	4	5	6	7	8	9	10	11	12
1964	1	2	3	4	5	6	7	8	9	10	11	12
1965	1	2	3	4	5	6	7	8	9	10	11	12
1966	1	2	3	4	5	6	7	8	9	10	11	12
1967	1	2	3	4	5	6	7	8	9	10	11	12
1968	1	2	3	4	5	6	7	8	9	10	11	12
1969	1	2	3	4	5	6	7	8	9	10	11	12
1970	1	2	3	4	5	6	7	8	9	10	11	12
1971	1	2	3	4	5	6	7	8	9	10	11	12
1972	1	2	3	4	5	6	7	8	9	10	11	12
1973	1	2	3	4	5	6	7	8	9	10	11	12
1974	1	2	3	4	5	6	7	8	9	10	11	12
1975	1	2	3	4	5	6	7	8	9	10	11	12
1976	1	2	3	4	5	6	7	8	9	10	11	12
1977	1	2	3	4	5	6	7	8	9	10	11	12
1978	1	2	3	4	5	6	7	8	9	10	11	12
1979	1	2	3	4	5	6	7	8	9	10	11	12

Soils

OFFICE OF THE COMMISSIONER OF THE GENERAL LAND OFFICE SOUTH CAROLINA

EXTREME VALUES

STATION NAME _____ YEARS _____

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR
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EXTREME VALUES

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[illegible]

Scaris

EXTREME VALUES

STATION NAME:

YFARS

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	TOTAL MONTH

SWIOS

EXTREME VALUES

VILAS

[illegible]

SMOS

EXTREME VALUES

VIABS

SWISS

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through 1963, and in tens of degrees starting in January 1964. When 90% or more of the daily observations of peak gust wind data are available for a month, the extreme is selected and printed. These values are then used to compute means and standard deviations for the entire period. Every month of a year must have valid observations present before the ALL MONTHS value is selected for that year. Means and standard deviations are computed when four or more values are present for any column. A supplementary list of Peak Gusts by year-month with < 90% observations reported is also provided.

NOTE: According to Circular N specifications, "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both direction and speed, and in addition the mean wind speed for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VARBL.

- a. Three tables are prepared for all surface winds included, and for all years combined as follows:

- (1) Annual - all hours combined
- (2) By month - all hours combined
- (3) By month - by standard 3-hour groups

- b. A separate annual table is also presented for surface winds meeting the following ceiling and visibility conditions: INSTRUMENT CLASS: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

CAVALRY WEATHER SERVICE DETACHMENT ASHEVILLE NORTH CAROLINA

EXTREME VALUES

1965 (Data for 1964-1965)

STATION NAME ASHEVILLE YEARS 1964-1965

MONTH YEAR	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ALL MONTHS
1													
2													
3													
4													
5													
6													
7													
8													
9													
10													
11													
12													
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S D													
TOTAL OBS													

EXTREME VALUES

$\frac{d}{dt} \left(\frac{\partial L}{\partial \dot{x}} \right) = \frac{\partial L}{\partial x}$

YEARS

[illegible]

SOLIS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ MONTH _____

STATION NAME _____ YEARS _____

CLASS _____ HOURS 11 5 T

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
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VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
			HOURS : L S Y
			CLASS
			CONDITION

[illegible]

TOTAL NUMBER OF OBSERVATIONS

3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS 1 5 7

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
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SE													
SSE													
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NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____

HOURS 1 2 3 4 5 6 7 8 9 10 11 12

CLASS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
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ESE													
SE													
SSE													
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VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: _____ YEAR: _____ MONTH: _____ HOURS: _____

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
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ESE													
SE													
SSE													
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SSW													
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VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEAR _____ MONTH _____
CLASS _____ HOURS IN DAY _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
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NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: _____ YEAR: _____ MONTH: _____
 COUNTRY: _____ HOURS LIST: _____
 COMMENTS: _____

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
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SSW													
SW													
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W													
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NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME

YEARS

MONTH

HOURS 1-24

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
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CALM													

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS LST

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
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WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS 11 5 T

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
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CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____
CLASS _____
CONDITION _____
HOURS LST _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
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CALM													

TOTAL NUMBER OF OBSERVATIONS

13

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ STATION _____ YEARS _____ MONTH _____
CLASS _____ HOURS 11 5 Y

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
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VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ STATION _____ YEARS _____ MONTH _____
CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
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CALM													

TOTAL NUMBER OF OBSERVATIONS

3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ MONTH _____

CLASS _____ YEARS _____ HOURS 11 5 T

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
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CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
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VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
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VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME
CLASS
HOURS

CLASS
CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
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VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS

CLASS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
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SSE													
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VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
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SSE													
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NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: _____ DATE: _____ MONTH: _____
 CLASS: _____ HOURS: _____
 CONDITION: _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
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E													
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SE													
SSE													
S													
SSW													
SW													
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VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
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SSE													
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SSW													
SW													
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VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ MONTH _____

STATION _____ YEARS _____

CLASS _____ HOURS LIST _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS - L S T

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
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SE													
SSE													
S													
SSW													
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NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS LST _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
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ESE													
SE													
SSE													
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SSW													
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WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS 1-5 T _____

CONDITION _____

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
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SE													
SSE													
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WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
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SE													
SSE													
S													
SSW													
SW													
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WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____

HOURS 11 5 T

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
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SE													
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VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
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NW													
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VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEAR _____ MONTH _____
CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
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WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION _____ YEARS _____ MONTH _____

STATION NAME _____ CLASS _____ HOURS LIST _____

CONDITION _____

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
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ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
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WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS LST

CLASS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) Dir.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
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NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME
YEAR
MONTH
HOURS - DAY

CLASS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
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WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

SECTION NAME

YEAR

MOON

CLASS

HOURS

CONDITION

SPEED (KTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS LST

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
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SE													
SSE													
S													
SSW													
SW													
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WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ MONTH _____
 CLASS _____ YEARS _____
 HOURS (L S T) _____

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
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WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: _____ MONTH: _____
 YEARS: _____ HOURS: _____
 CLASS: _____
 CONDITION: _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
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SE													
SSE													
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SSW													
SW													
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W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____

HOURS 1 2 3 4 5 6 7 8 9 10 11 12

CLASS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
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SE													
SSE													
S													
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WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
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SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS LST _____

CLASS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS LST _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____

HOURS 1 2 3 4 5 6 7 8 9 10 11 12

CLASS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS

CONDITION

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	°	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS LST _____
CONDITION _____

SPEED (KTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

LLJ

3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

NATION

YEARS

MONTH

CLASS

HOURS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: _____ YEAR: _____ MONTH: _____
CLASS: _____ LONGITUDE: _____

SPEED KNTS DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: _____ YEARS: _____ MONTH: _____

HOURS: 57

CLIMATE

LOCATION

SPEED KNTS DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
NNE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

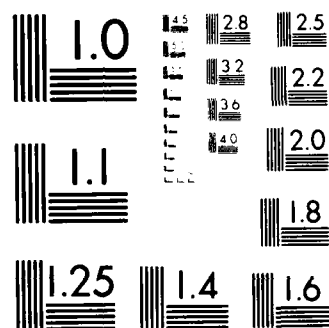
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MICROCOPY RESOLUTION TEST CHART
 NATIONAL BUREAU OF STANDARDS-1963-A

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS 11 5 T

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													1.0
NNE													
NE													
ENE													12.0
E												7.0	12.0
ESE												1.0	12.0
SE													
SSE													
S													
SSW													
SW													10.0
WSW												1.0	11.0
W													12.0
WNW													12.0
NW													12.0
NNW													
VARBL													
CALM													
													12.0

TOTAL NUMBER OF OBSERVATIONS

12.0

NAVAL WEATHER SERVICE
DETACHMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION 10000 STATION NAME ASHEVILLE YEARS 1950 MONTH 1

CLASS 1000 HOURS (LST) 1

CONDITION 1000

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

11

MANOVA

CLASS

CONDITION

1313

[illegible]

TOTAL NUMBER OF OBSERVATIONS

NATIONAL BUREAU OF METEOROLOGY
DEPARTMENT OF COMMERCE
WASHINGTON, D.C.

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEAR _____ MONTH _____
CLASS _____ HOURS (LST) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.1								.1	1.0
NNE												.1	
NE				.1									2.4
ENE			.1	7.0	1.1							1.1	11.7
E			7.0	17.0	1.1							24.4	11.2
ESE				.1									2.4
SE													2.4
SSE												.1	2.4
S													2.4
SSW				.1								.7	2.4
SW				.1	.1							2.4	12.1
WSW			.1	1.0	1.1	.1						2.4	12.2
W			1.0	1.0	.1	.1						2.4	12.1
WNW			.1	.1	.1							2.4	11.3
NW			.1	.1								.7	7.2
NNW			.1										4.7
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS _____

NATIONAL WEATHER SERVICE
DEPARTMENT
ASHEVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURLY

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION _____ MONTH _____

STATION NAME _____ YEARS _____

CLASS _____ HOURS U.S.T. _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
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VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS 11 5 T

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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CALM													

TOTAL NUMBER OF OBSERVATIONS

12

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVAL AIR FORCE
STATION
ASHEVILLE, NC

STATION

STATION NAME

YEARS

MONTH

HOURS

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ MONTH _____ YEARS _____

CLASS _____ HOURS U.S.T. _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS (LST)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____ L _____ S _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ MONTH _____
STATION NAME _____ MONTH _____
CLASS _____ HOURS 11.5 T
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

NAVY WEATHER SERVICE
DEPARTMENT
ANN ARBOR, MI

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS (L S T) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

HOURS 11 5

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

NATIONAL AERONAUTICS AND SPACE
ADMINISTRATION
ASTHOREVILLE, NC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS (L S T)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

3 NAVAL WEATHER SERVICE DETACHMENT ASHTABUL, OH PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) SURFACE WINDS

STATION NAME _____ STATION _____ MONTH _____
 CLASS _____ YEARS _____ HOURS 1 L 5 T _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS _____

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ MONTH _____

STATION _____ YEARS _____

CLASS _____ HOURS (L.S.T.) _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION _____ MONTH _____ YEARS _____ HOURS 11 5 T

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS U.S.T. _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS _____

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME

YEARS

MONTH

HOURS U.S.T.

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____ HOURS 11 5 T

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ MONTH _____ YEARS _____
CLASS _____ HOURS LST _____

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

CLASS

CONDITION

MONTH

HOURS

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION NAME _____ MONTH _____

CLASS _____ YEARS _____

CONDITION _____ HOURS _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME

YEARS

MONTH

CLASS

HOURS 11 5 T

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
 DIRECTION AND SPEED
 (FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS LST

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ MONTH _____
CLASS _____ YEARS _____
CONDITION _____ HOURS _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

HOURS - LST

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME

YEARS

MONTH

HOURS

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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TOTAL NUMBER OF OBSERVATIONS

3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
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VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ MONTH _____

CLASS _____ YEARS _____

CONDITION _____

HOURLS ELST _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
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VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ MONTH _____

STATION NAME _____ YEARS _____

CLASS _____ HOURS LST _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
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VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

STATION NAME

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION

STATION NAME

YEARS

#CONT

CLASS

HOURS LST

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIN Spr
N													
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CALM													

TOTAL NUMBER OF OBSERVATIONS

SMOS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
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VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

NAVYAL AIR FORCE
OFFICE OF THE
ADJUTANT GENERAL

STATION

STATION NAME

YEARS

MONTH

HOURS 1 L 5 T

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
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CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS 11 5 1

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
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CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____

HOURS 11 51

CLASS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
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CALM													

TOTAL NUMBER OF OBSERVATIONS

3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____

CLASS _____ HOURS L S T _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
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VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS 1 L 5 T _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
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CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
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VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEAR _____ MONTH _____
CLASS _____ HOURS _____

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
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VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: _____ YEARS: _____ MONTHS: _____

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
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VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: _____ YEAR: _____ MONTH: _____
CLASS: _____ HOURS: _____

CONDITION

SPEED (KNTS) DIR.	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥56	%	MEAN WIND SPEED
N													
NNE													
NE													
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NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION

DATE

WEATHER

CLASS

HOURS

CONDITION

SPEED (KNTS) DIR	1-3	4-6	7-10	11-16	17-21	22-27	28-33	34-40	41-47	48-55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
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SE													
SSE													
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NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

3

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME: _____ YEARS: _____ MONTH: _____
CLASS: _____ HOURS: _____

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
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SSE													
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NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS 11.5 Y

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
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SE													
SSE													
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NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEAR _____ MONTH _____

HOURS 11 57

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
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NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS LST

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
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ESE													
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SW													
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WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION _____ STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS (LST) _____
CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
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SSE													
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WNW													
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NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____
CLASS _____ HOURS 11 5 T

CONDITION _____

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N
NNE
NE
ENE
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ESE
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SSE
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SSW
SW
WSW
W
WNW
NW
NNW
VARBL
CALM

TOTAL NUMBER OF OBSERVATIONS

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

STATION NAME _____ YEARS _____ MONTH _____ HOURS LST _____

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
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SE													
SSE													
S													
SSW													
SW													
WSW													
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WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

1600, Federal Building
Asheville, N. C.

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from 3-hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. 30 Months - all years and all hours combined
3. 30 Months - 16 standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of a given ceiling or given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for each combination of ceiling or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on page 2 and 3 below.

Beginning in July 1968 for Air Force stations and January 1949 for NWS and U.S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 9/10 or more, but not more than 1/2 of the sky cover is opaque.

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING FEET	VISIBILITY (STATUTE MILES)										
	10	9	8	7	6	5	4	3	2 1/2	2	1 1/2
1500											
1400											
1300											
1200											
1100											
1000											
900											
800											
700											
600											
500											
400											
300											
200											
100											
0											

- EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
 For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
- EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
 Visibility ≥ 3 miles = 95.4%.
 Visibility ≥ 2 miles = 96.9%.
 Visibility ≥ 1 mile = 98.3%.
- EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

PART D

ADDITIONAL EXAMPLES

EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with > 3 miles, subtracted from 97.4 read from the table at the intersection of > 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility > 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

PART D

SKY COVER

1. List of stations to which observations and reports were distributed in 1948, and the number of reports received, are given in the following table.

2. The number of reports received for each station is given in the following table.

3. The number of reports received for each station is given in the following table.

4. The number of reports received for each station is given in the following table. The number of reports received for each station is given in the following table. The number of reports received for each station is given in the following table.

5. The number of reports received for each station is given in the following table. The number of reports received for each station is given in the following table. The number of reports received for each station is given in the following table.

STATION

0

1

2

3

4

5

6

7

8 (or obscured)

9

10

6. The number of reports received for each station is given in the following table. The number of reports received for each station is given in the following table. The number of reports received for each station is given in the following table.

Clear converted to 0/10

Scattered converted to 3/10

Broken converted to 9/10

Overcast converted to 10/10

Obscured converted to 10/10

CEILING VERSUS VISIBILITY

STATION NAME _____ YEARS _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)															
NO CEILING	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 0
20000																
18000																
16000																
14000																
12000																
10000																
9000																
8000																
7000																
6000																
5000																
4500																
4000																
3500																
3000																
2500																
2000																
1800																
1500																
1200																
1000																
900																
800																
700																
600																
500																
400																
300																
200																
100																
0																

TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

STATION NAME: MONTH: YEAR: HOURS: 1-12

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 9	≥ 8	≥ 7	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1
NO CEILING												
20000												
18000												
16000												
14000												
12000												
10000												
9000												
8000												
7000												
6000												
5000												
4500												
4000												
3500												
3000												
2500												
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1800												
1500												
1200												
1000												
900												
800												
700												
600												
500												
400												
300												
200												
100												
0												

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME

STATE

DATE

TIME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES															
	NO CEILING	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
20000	AL															
18000	AL															
16000	AL															
14000	AL															
12000	AL															
10000	AL															
9000	AL															
8000	AL															
7000	AL															
6000	AL															
5000	AL															
4500	AL															
4000	AL															
3500	AL															
3000	AL															
2500	AL															
2000	AL															
1500	AL															
1000	AL															
900	AL															
800	AL															
700	AL															
600	AL															
500	AL															
400	AL															
300	AL															
200	AL															
100	AL															
0	AL															

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME: _____ YEAR: _____ MONTH: _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES																
	NO CEILING	10	5	4	3	2 1/2	2	1 1/2	1 1/4	1	3/4	2/3	1/2	1/4	1/8	0	AI
20000	AI																
18000	AI																
16000	AI																
14000	AI																
12000	AI																
10000	AI																
9000	AI																
8000	AI																
7000	AI																
6000	AI																
5000	AI																
4500	AI																
4000	AI																
3500	AI																
3000	AI																
2500	AI																
2000	AI																
1800	AI																
1600	AI																
1400	AI																
1200	AI																
1000	AI																
900	AI																
800	AI																
700	AI																
600	AI																
500	AI																
400	AI																
300	AI																
200	AI																
100	AI																
0	AI																

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)																							
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1.4	≥ 1.3	≥ 1.2	≥ 1.1	≥ 1.0	≥ .9	≥ .8	≥ .7	≥ .6	≥ .5	≥ .4	≥ .3	≥ .2	≥ .1	≥ .0	≥ .0
NO CEILING																								
≥ 20000																								
≥ 18000																								
≥ 16000																								
≥ 14000																								
≥ 12000																								
≥ 10000																								
≥ 9000																								
≥ 8000																								
≥ 7000																								
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≥ 500																								
≥ 400																								
≥ 300																								
≥ 200																								
≥ 100																								
0																								

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME: _____

YEARS: _____

MONTH: _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/4	≥ 1/4	≥ 1/4	≥ 1/4	≥ 0
NO CEILING																	
≥ 20000																	
≥ 18000																	
≥ 16000																	
≥ 14000																	
≥ 12000																	
≥ 10000																	
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≥ 900																	
≥ 800																	
≥ 700																	
≥ 600																	
≥ 500																	
≥ 400																	
≥ 300																	
≥ 200																	
≥ 100																	
≥ 0																	

TOTAL NUMBER OF OBSERVATIONS: _____

CEILING VERSUS VISIBILITY

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .5	≥ .25	≥ .1
NO CEILING												
≥ 20000												
≥ 18000												
≥ 16000												
≥ 14000												
≥ 12000												
≥ 10000												
≥ 9000												
≥ 8000												
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≥ 900												
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≥ 700												
≥ 600												
≥ 500												
≥ 400												
≥ 300												
≥ 200												
≥ 100												
0												

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME
YEARS
NORTH
HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 5/16	≥ ¼	≥ 0
NO CEILING														
≥ 20000														
≥ 18000														
≥ 16000														
≥ 14000														
≥ 12000														
≥ 10000														
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≥ 800														
≥ 700														
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≥ 500														
≥ 400														
≥ 300														
≥ 200														
≥ 100														
≥ 0														

TOTAL NUMBER OF OBSERVATIONS

STATION NAME

CEILING VERSUS VISIBILITY

STATION

NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

CEILING FEET	VISIBILITY (STATUTE MILES)											
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ 0
NO CEILING												
≥ 20000												
≥ 18000												
≥ 16000												
≥ 14000												
≥ 12000												
≥ 10000												
≥ 9000												
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≥ 500												
≥ 400												
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≥ 200												
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH

CEILING FEET	VISIBILITY (STATUTE MILES)																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 5/16	≥ 1/4	≥ 1/8	≥ 0
NO CEILING																	
≥ 20000																	
≥ 18000																	
≥ 16000																	
≥ 14000																	
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≥ 10000																	
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≥ 100																	
≥ 0																	

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH

CEILING FEET	VISIBILITY (STATUTE MILES)																
	NO CEILING	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 5/16	≥ 0
20000	AI																
18000	AI AI																
16000	AI AI																
14000	AI AI																
12000	AI AI																
10000	AI AI																
9000	AI AI																
8000	AI AI																
7000	AI AI																
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400	AI AI																
300	AI AI																
200	AI AI																
100	AI AI																
0	AI AI																

TOTAL NUMBER OF OBSERVATIONS

OFFICIAL RECORD

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH

CEILING (FEET)	VISIBILITY (STATUTE MILES)															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
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≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

FORM NO. 10-60 (REV. 1-55)

CEILING VERSUS VISIBILITY

STATION NAME

YEARS

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .15	≥ .1	≥ .075	≥ .05	≥ .025
NO CEILING																	
≥ 20000																	
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME _____ MONTH _____ YEARS _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

NUMBER OF STATIONS _____

CEILING FEET	VISIBILITY - STATUTE MILES																
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ 3/4	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 0
NO CEILING																	
20000																	
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2.5	≥ 2	≥ 1.5	≥ 1	≥ .75	≥ .5	≥ .25	≥ .1	≥ .05	≥ .02	≥ .01
NO CEILING																
20000																
18000																
16000																
14000																
12000																
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

DATE

CEILING FEET	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
NO CEILING																					
20000																					
18000																					
16000																					
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

YEAR

MONTH

DAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

CEILING FEET	VISIBILITY STATUTE MILES															
	20	15	10	5	4	3	2.5	2	1.5	1	.75	.5	.25	.1	0	0
NO CEILING																
20000																
18000																
16000																
14000																
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TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

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PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | | | | | | |
|--------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| CEILING
FEET | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| NO CEILING | | | | | | | | | | | | | | | | | | | | |
| 20000 | AI | | | | | | | | | | | | | | | | | | | |
| 18000 | AI | AI | | | | | | | | | | | | | | | | | | |
| 16000 | AI | AI | AI | | | | | | | | | | | | | | | | | |
| 14000 | AI | AI | AI | AI | | | | | | | | | | | | | | | | |
| 12000 | AI | AI | AI | AI | AI | | | | | | | | | | | | | | | |
| 10000 | AI | AI | AI | AI | AI | AI | | | | | | | | | | | | | | |
| 9000 | AI | AI | AI | AI | AI | AI | AI | | | | | | | | | | | | | |
| 8000 | AI | AI | AI | AI | AI | AI | AI | AI | | | | | | | | | | | | |
| 7000 | AI | AI | AI | AI | AI | AI | AI | AI | AI | | | | | | | | | | | |
| 6000 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | | | | | | | | | | |
| 5000 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | | | | | | | | | |
| 4500 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | | | | | | | | |
| 4000 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | | | | | | | |
| 3500 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | | | | | | |
| 3000 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | | | | | |
| 2500 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | | | | |
| 2000 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | | | |
| 1800 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | | |
| 1600 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | |
| 1400 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 1200 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 1000 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 900 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 800 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 700 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 600 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 500 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 400 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 300 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 200 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 100 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 0 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |

CEILING VERSUS VISIBILITY

STATION NAME
STATION
YEARS
MONTH
HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|-----|-----|-----|-----|---------|-----|---------|-----|-------|-------|-------|-------|--------|--------|--------|
| | NO CEILING | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 1/64 |
| 20000 | AI | | | | | | | | | | | | | | | | |
| 18000 | AI AI | | | | | | | | | | | | | | | | |
| 16000 | AI AI | | | | | | | | | | | | | | | | |
| 14000 | AI AI | | | | | | | | | | | | | | | | |
| 12000 | AI AI | | | | | | | | | | | | | | | | |
| 10000 | AI AI | | | | | | | | | | | | | | | | |
| 9000 | AI AI | | | | | | | | | | | | | | | | |
| 8000 | AI AI | | | | | | | | | | | | | | | | |
| 7000 | AI AI | | | | | | | | | | | | | | | | |
| 6000 | AI AI | | | | | | | | | | | | | | | | |
| 5000 | AI AI | | | | | | | | | | | | | | | | |
| 4500 | AI AI | | | | | | | | | | | | | | | | |
| 4000 | AI AI | | | | | | | | | | | | | | | | |
| 3500 | AI AI | | | | | | | | | | | | | | | | |
| 3000 | AI AI | | | | | | | | | | | | | | | | |
| 2500 | AI AI | | | | | | | | | | | | | | | | |
| 2000 | AI AI | | | | | | | | | | | | | | | | |
| 1800 | AI AI | | | | | | | | | | | | | | | | |
| 1500 | AI AI | | | | | | | | | | | | | | | | |
| 1200 | AI AI | | | | | | | | | | | | | | | | |
| 1000 | AI AI | | | | | | | | | | | | | | | | |
| 900 | AI AI | | | | | | | | | | | | | | | | |
| 800 | AI AI | | | | | | | | | | | | | | | | |
| 700 | AI AI | | | | | | | | | | | | | | | | |
| 600 | AI AI | | | | | | | | | | | | | | | | |
| 500 | AI AI | | | | | | | | | | | | | | | | |
| 400 | AI AI | | | | | | | | | | | | | | | | |
| 300 | AI AI | | | | | | | | | | | | | | | | |
| 200 | AI AI | | | | | | | | | | | | | | | | |
| 100 | AI AI | | | | | | | | | | | | | | | | |
| 0 | AI AI | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

OFFICE OF CELESTIAL MEASUREMENTS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-------|--------|--------|---|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | 0 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | | |
| 750 | | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

DISPATCH CENTER

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|-------|-----|-------|-----|-------|------|-------|-------|------|-------|--------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .15 | ≥ .1 | ≥ .05 | ≥ .025 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | |
| ≥ 18000 | | | | | | | | | | | | | | | | | |
| ≥ 16000 | | | | | | | | | | | | | | | | | |
| ≥ 14000 | | | | | | | | | | | | | | | | | |
| ≥ 12000 | | | | | | | | | | | | | | | | | |
| ≥ 10000 | | | | | | | | | | | | | | | | | |
| ≥ 9000 | | | | | | | | | | | | | | | | | |
| ≥ 8000 | | | | | | | | | | | | | | | | | |
| ≥ 7000 | | | | | | | | | | | | | | | | | |
| ≥ 6000 | | | | | | | | | | | | | | | | | |
| ≥ 5000 | | | | | | | | | | | | | | | | | |
| ≥ 4500 | | | | | | | | | | | | | | | | | |
| ≥ 4000 | | | | | | | | | | | | | | | | | |
| ≥ 3500 | | | | | | | | | | | | | | | | | |
| ≥ 3000 | | | | | | | | | | | | | | | | | |
| ≥ 2500 | | | | | | | | | | | | | | | | | |
| ≥ 2000 | | | | | | | | | | | | | | | | | |
| ≥ 1800 | | | | | | | | | | | | | | | | | |
| ≥ 1500 | | | | | | | | | | | | | | | | | |
| ≥ 1200 | | | | | | | | | | | | | | | | | |
| ≥ 1000 | | | | | | | | | | | | | | | | | |
| ≥ 900 | | | | | | | | | | | | | | | | | |
| ≥ 800 | | | | | | | | | | | | | | | | | |
| ≥ 700 | | | | | | | | | | | | | | | | | |
| ≥ 600 | | | | | | | | | | | | | | | | | |
| ≥ 500 | | | | | | | | | | | | | | | | | |
| ≥ 400 | | | | | | | | | | | | | | | | | |
| ≥ 300 | | | | | | | | | | | | | | | | | |
| ≥ 200 | | | | | | | | | | | | | | | | | |
| ≥ 100 | | | | | | | | | | | | | | | | | |
| ≥ 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|-----|-----|-----|-----|-------|--------|-------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 5/16 | ≥ 1/4 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | |
| ≥ 18000 | | | | | | | | | | | | | | | | |
| ≥ 16000 | | | | | | | | | | | | | | | | |
| ≥ 14000 | | | | | | | | | | | | | | | | |
| ≥ 12000 | | | | | | | | | | | | | | | | |
| ≥ 10000 | | | | | | | | | | | | | | | | |
| ≥ 9000 | | | | | | | | | | | | | | | | |
| ≥ 8000 | | | | | | | | | | | | | | | | |
| ≥ 7000 | | | | | | | | | | | | | | | | |
| ≥ 6000 | | | | | | | | | | | | | | | | |
| ≥ 5000 | | | | | | | | | | | | | | | | |
| ≥ 4500 | | | | | | | | | | | | | | | | |
| ≥ 4000 | | | | | | | | | | | | | | | | |
| ≥ 3500 | | | | | | | | | | | | | | | | |
| ≥ 3000 | | | | | | | | | | | | | | | | |
| ≥ 2500 | | | | | | | | | | | | | | | | |
| ≥ 2000 | | | | | | | | | | | | | | | | |
| ≥ 1800 | | | | | | | | | | | | | | | | |
| ≥ 1500 | | | | | | | | | | | | | | | | |
| ≥ 1200 | | | | | | | | | | | | | | | | |
| ≥ 1000 | | | | | | | | | | | | | | | | |
| ≥ 900 | | | | | | | | | | | | | | | | |
| ≥ 800 | | | | | | | | | | | | | | | | |
| ≥ 700 | | | | | | | | | | | | | | | | |
| ≥ 600 | | | | | | | | | | | | | | | | |
| ≥ 500 | | | | | | | | | | | | | | | | |
| ≥ 400 | | | | | | | | | | | | | | | | |
| ≥ 300 | | | | | | | | | | | | | | | | |
| ≥ 200 | | | | | | | | | | | | | | | | |
| ≥ 100 | | | | | | | | | | | | | | | | |
| ≥ 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

OFFICIAL REPORT

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

NORTH

HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 0 | ≥ 0 | ≥ 0 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | |
| ≥ 18000 | | | | | | | | | | | | | | | | | |
| ≥ 16000 | | | | | | | | | | | | | | | | | |
| ≥ 14000 | | | | | | | | | | | | | | | | | |
| ≥ 12000 | | | | | | | | | | | | | | | | | |
| ≥ 10000 | | | | | | | | | | | | | | | | | |
| ≥ 9000 | | | | | | | | | | | | | | | | | |
| ≥ 8000 | | | | | | | | | | | | | | | | | |
| ≥ 7000 | | | | | | | | | | | | | | | | | |
| ≥ 6000 | | | | | | | | | | | | | | | | | |
| ≥ 5000 | | | | | | | | | | | | | | | | | |
| ≥ 4500 | | | | | | | | | | | | | | | | | |
| ≥ 4000 | | | | | | | | | | | | | | | | | |
| ≥ 3500 | | | | | | | | | | | | | | | | | |
| ≥ 3000 | | | | | | | | | | | | | | | | | |
| ≥ 2500 | | | | | | | | | | | | | | | | | |
| ≥ 2000 | | | | | | | | | | | | | | | | | |
| ≥ 1800 | | | | | | | | | | | | | | | | | |
| ≥ 1500 | | | | | | | | | | | | | | | | | |
| ≥ 1200 | | | | | | | | | | | | | | | | | |
| ≥ 1000 | | | | | | | | | | | | | | | | | |
| ≥ 900 | | | | | | | | | | | | | | | | | |
| ≥ 800 | | | | | | | | | | | | | | | | | |
| ≥ 700 | | | | | | | | | | | | | | | | | |
| ≥ 600 | | | | | | | | | | | | | | | | | |
| ≥ 500 | | | | | | | | | | | | | | | | | |
| ≥ 400 | | | | | | | | | | | | | | | | | |
| ≥ 300 | | | | | | | | | | | | | | | | | |
| ≥ 200 | | | | | | | | | | | | | | | | | |
| ≥ 100 | | | | | | | | | | | | | | | | | |
| ≥ 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

DATE

CEILING VERSUS VISIBILITY

STATION NAME _____
 YEARS _____ MONTH _____
 HOURS (LST) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-----|-----|
| | NO CEILING | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ⅓ | ≥ ⅕ | ≥ 0 |
| 20000 | AI | | | | | | | | | | | | | | | |
| 18000 | AI | | | | | | | | | | | | | | | |
| 16000 | AI | | | | | | | | | | | | | | | |
| 14000 | AI | | | | | | | | | | | | | | | |
| 12000 | AI | | | | | | | | | | | | | | | |
| 10000 | AI | | | | | | | | | | | | | | | |
| 9000 | AI | | | | | | | | | | | | | | | |
| 8000 | AI | | | | | | | | | | | | | | | |
| 7000 | AI | | | | | | | | | | | | | | | |
| 6000 | AI | | | | | | | | | | | | | | | |
| 5000 | AI | | | | | | | | | | | | | | | |
| 4500 | AI | | | | | | | | | | | | | | | |
| 4000 | AI | | | | | | | | | | | | | | | |
| 3500 | AI | | | | | | | | | | | | | | | |
| 3000 | AI | | | | | | | | | | | | | | | |
| 2500 | AI | | | | | | | | | | | | | | | |
| 2000 | AI | | | | | | | | | | | | | | | |
| 1800 | AI | | | | | | | | | | | | | | | |
| 1500 | AI | | | | | | | | | | | | | | | |
| 1200 | AI | | | | | | | | | | | | | | | |
| 1000 | AI | | | | | | | | | | | | | | | |
| 900 | AI | | | | | | | | | | | | | | | |
| 800 | AI | | | | | | | | | | | | | | | |
| 700 | AI | | | | | | | | | | | | | | | |
| 600 | AI | | | | | | | | | | | | | | | |
| 500 | AI | | | | | | | | | | | | | | | |
| 400 | AI | | | | | | | | | | | | | | | |
| 300 | AI | | | | | | | | | | | | | | | |
| 200 | AI | | | | | | | | | | | | | | | |
| 100 | AI | | | | | | | | | | | | | | | |
| 0 | AI | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS LIST

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-------|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 0 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| 20000 | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME: _____

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS: 1 2 3 4 5 6 7 8 9 10 11 12

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ |
| NO CEILING | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | |
| ≥ 18000 | | | | | | | | | | | | |
| ≥ 16000 | | | | | | | | | | | | |
| ≥ 14000 | | | | | | | | | | | | |
| ≥ 12000 | | | | | | | | | | | | |
| ≥ 10000 | | | | | | | | | | | | |
| ≥ 9000 | | | | | | | | | | | | |
| ≥ 8000 | | | | | | | | | | | | |
| ≥ 7000 | | | | | | | | | | | | |
| ≥ 6000 | | | | | | | | | | | | |
| ≥ 5000 | | | | | | | | | | | | |
| ≥ 4500 | | | | | | | | | | | | |
| ≥ 4000 | | | | | | | | | | | | |
| ≥ 3500 | | | | | | | | | | | | |
| ≥ 3000 | | | | | | | | | | | | |
| ≥ 2500 | | | | | | | | | | | | |
| ≥ 2000 | | | | | | | | | | | | |
| ≥ 1800 | | | | | | | | | | | | |
| ≥ 1500 | | | | | | | | | | | | |
| ≥ 1200 | | | | | | | | | | | | |
| ≥ 1000 | | | | | | | | | | | | |
| ≥ 900 | | | | | | | | | | | | |
| ≥ 800 | | | | | | | | | | | | |
| ≥ 700 | | | | | | | | | | | | |
| ≥ 600 | | | | | | | | | | | | |
| ≥ 500 | | | | | | | | | | | | |
| ≥ 400 | | | | | | | | | | | | |
| ≥ 300 | | | | | | | | | | | | |
| ≥ 200 | | | | | | | | | | | | |
| ≥ 100 | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

GROUPS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-------|--------|--------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

GROUPS

CEILING VERSUS VISIBILITY

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|---------|-----|---------|---------|-----|-------|-------|-------|-------|--------|--------|-----|
| | > 10 | > 6 | > 5 | > 4 | > 3 | > 2 1/2 | > 2 | > 1 1/2 | > 1 1/4 | > 1 | > 3/4 | > 1/2 | > 1/4 | > 1/8 | > 1/16 | > 1/32 | > 0 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| 20000 | | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-------|--------|-----|
| | NO CEILING | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 0 |
| 20000 | AI | | | | | | | | | | | | | | | | |
| 18000 | AI | | | | | | | | | | | | | | | | |
| 16000 | AI | | | | | | | | | | | | | | | | |
| 14000 | AI | | | | | | | | | | | | | | | | |
| 12000 | AI | | | | | | | | | | | | | | | | |
| 10000 | AI | | | | | | | | | | | | | | | | |
| 9000 | AI | | | | | | | | | | | | | | | | |
| 8000 | AI | | | | | | | | | | | | | | | | |
| 7000 | AI | | | | | | | | | | | | | | | | |
| 6000 | AI | | | | | | | | | | | | | | | | |
| 5000 | AI | | | | | | | | | | | | | | | | |
| 4500 | AI | | | | | | | | | | | | | | | | |
| 4000 | AI | | | | | | | | | | | | | | | | |
| 3500 | AI | | | | | | | | | | | | | | | | |
| 3000 | AI | | | | | | | | | | | | | | | | |
| 2500 | AI | | | | | | | | | | | | | | | | |
| 2000 | AI | | | | | | | | | | | | | | | | |
| 1800 | AI | | | | | | | | | | | | | | | | |
| 1600 | AI | | | | | | | | | | | | | | | | |
| 1400 | AI | | | | | | | | | | | | | | | | |
| 1200 | AI | | | | | | | | | | | | | | | | |
| 1000 | AI | | | | | | | | | | | | | | | | |
| 900 | AI | | | | | | | | | | | | | | | | |
| 800 | AI | | | | | | | | | | | | | | | | |
| 700 | AI | | | | | | | | | | | | | | | | |
| 600 | AI | | | | | | | | | | | | | | | | |
| 500 | AI | | | | | | | | | | | | | | | | |
| 400 | AI | | | | | | | | | | | | | | | | |
| 300 | AI | | | | | | | | | | | | | | | | |
| 200 | AI | | | | | | | | | | | | | | | | |
| 100 | AI | | | | | | | | | | | | | | | | |
| 0 | AI | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STA. ON

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 24

VISIBILITY STATUTE MILES

| CEILING
FEET | > 10 | > 6 | > 5 | > 4 | > 3 | > 2.5 | > 2 | > 1.5 | > 1 | > .5 | > .25 | > .16 | > .1 | > .05 | > .0 |
|-----------------|------|-----|-----|-----|-----|-------|-----|-------|-----|------|-------|-------|------|-------|------|
| NO CEILING | | | | | | | | | | | | | | | |
| 20000 | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | |
| 1600 | | | | | | | | | | | | | | | |
| 1400 | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|------|-----|------|-----|------|-------|------|-------|--------|-------|--------|---------|--------|
| | At or
more | 2.0 | 1.5 | 1.0 | 0.75 | 0.5 | 0.25 | 0.1 | 0.05 | 0.025 | 0.01 | 0.005 | 0.0025 | 0.001 | 0.0005 | 0.00025 | 0.0001 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| At 20000 | | | | | | | | | | | | | | | | | |
| At 18000 | | | | | | | | | | | | | | | | | |
| At 16000 | | | | | | | | | | | | | | | | | |
| At 14000 | | | | | | | | | | | | | | | | | |
| At 12000 | | | | | | | | | | | | | | | | | |
| At 10000 | | | | | | | | | | | | | | | | | |
| At 8000 | | | | | | | | | | | | | | | | | |
| At 6000 | | | | | | | | | | | | | | | | | |
| At 4000 | | | | | | | | | | | | | | | | | |
| At 2000 | | | | | | | | | | | | | | | | | |
| At 1000 | | | | | | | | | | | | | | | | | |
| At 500 | | | | | | | | | | | | | | | | | |
| At 200 | | | | | | | | | | | | | | | | | |
| At 100 | | | | | | | | | | | | | | | | | |
| At 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

AD-A150 375

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
SIGONELLA SICILY(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC DEC 84

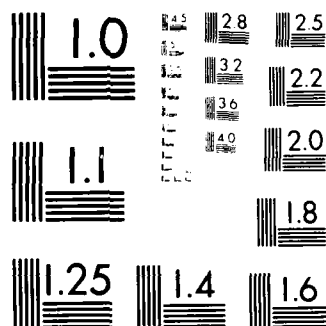
24

UNCLASSIFIED

F/G 4/2

NL

[illegible]



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

CEILING VERSUS VISIBILITY

STATION NAME
MONTH
YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-------|----|----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | AI | AI |
| NO CEILING | | | | | | | | | | | | | | | | |
| 20000 | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE, PACIFIC FLEET, WHEELING, MD

STATION

STATION NAME

YEARS

NORTH

MOON LIST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-----|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 0 | ≥ 0 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | |
| ≥ 18000 | | | | | | | | | | | | | | | | |
| ≥ 16000 | | | | | | | | | | | | | | | | |
| ≥ 14000 | | | | | | | | | | | | | | | | |
| ≥ 12000 | | | | | | | | | | | | | | | | |
| ≥ 10000 | | | | | | | | | | | | | | | | |
| ≥ 9000 | | | | | | | | | | | | | | | | |
| ≥ 8000 | | | | | | | | | | | | | | | | |
| ≥ 7000 | | | | | | | | | | | | | | | | |
| ≥ 6000 | | | | | | | | | | | | | | | | |
| ≥ 5000 | | | | | | | | | | | | | | | | |
| ≥ 4500 | | | | | | | | | | | | | | | | |
| ≥ 4000 | | | | | | | | | | | | | | | | |
| ≥ 3500 | | | | | | | | | | | | | | | | |
| ≥ 3000 | | | | | | | | | | | | | | | | |
| ≥ 2500 | | | | | | | | | | | | | | | | |
| ≥ 2000 | | | | | | | | | | | | | | | | |
| ≥ 1800 | | | | | | | | | | | | | | | | |
| ≥ 1500 | | | | | | | | | | | | | | | | |
| ≥ 1200 | | | | | | | | | | | | | | | | |
| ≥ 1000 | | | | | | | | | | | | | | | | |
| ≥ 900 | | | | | | | | | | | | | | | | |
| ≥ 800 | | | | | | | | | | | | | | | | |
| ≥ 700 | | | | | | | | | | | | | | | | |
| ≥ 600 | | | | | | | | | | | | | | | | |
| ≥ 500 | | | | | | | | | | | | | | | | |
| ≥ 400 | | | | | | | | | | | | | | | | |
| ≥ 300 | | | | | | | | | | | | | | | | |
| ≥ 200 | | | | | | | | | | | | | | | | |
| ≥ 100 | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

DIRJAVUCEANMET SMOS

THE UNIVERSITY OF CHICAGO

MONYH

MOORE, L. S. Y.

VISIBILITY (STATUTE MILES)

[illegible]

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE OF PACIFIC OCEAN AREA

STATION

STATION NAME

YEARS

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|--------|-----|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ 5/16 | ≥ ¼ | ≥ 0 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

DIRVAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, ASHKEVELLE, NC

STATION NAME

YEARS

DIRECTION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF
HOURS

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|--------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ 5/16 | ≥ 0 |
| NO CEILING | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| ≥ 20000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 18000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 16000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 14000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 12000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 10000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 9000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 8000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 7000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 6000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 5000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 4500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 4000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 3500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 3000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 2500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 2000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 1800 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 1500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 1200 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 1000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 900 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 800 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 700 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 600 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 400 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 300 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 200 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 100 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI AI 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE, PANGLOSS, LANGLEYVILLE, NC

STATION

STATION NAME

YEARS

STATION

MONTH

MOUSE, L.S.T.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|-----|-----|-----|--------|-----|-------|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ 5/16 | ≥ ¼ | ≥ 1/8 | ≥ 0 | ≥ 0 |
| NO CEILING | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 20000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 18000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 16000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 14000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 12000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 10000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 9000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 8000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 7000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 6000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 5000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 4500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 4000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 3500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 3000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 2500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 2000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 1800 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 1500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 1200 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 1000 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 900 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 800 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 700 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 600 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 500 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 400 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 300 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 200 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| AI 100 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVUCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL AIR FORCE CENTER OF FACILITIES ACQUISITION

STATION

STATION NAME

YEARS

V

NORTH

HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|--------|-----|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ 5/16 | ≥ ¼ | ≥ 0 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

ANALYST: J. L. HARRIS

NO. 435

STATION NAME

YEARS

CONTENTS

MOVIES 187

[illegible]

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE, PACIFIC FLEET, WASHINGTON, D.C.

STATION

STATION NAME

YEARS

MONTH

HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|--------|-----|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ 5/16 | ≥ ¼ | ≥ 0 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| AI 20000 | | | | | | | | | | | | | | | | |
| AI 18000 | | | | | | | | | | | | | | | | |
| AI 16000 | | | | | | | | | | | | | | | | |
| AI 14000 | | | | | | | | | | | | | | | | |
| AI 12000 | | | | | | | | | | | | | | | | |
| AI 10000 | | | | | | | | | | | | | | | | |
| AI 9000 | | | | | | | | | | | | | | | | |
| AI 8000 | | | | | | | | | | | | | | | | |
| AI 7000 | | | | | | | | | | | | | | | | |
| AI 6000 | | | | | | | | | | | | | | | | |
| AI 5000 | | | | | | | | | | | | | | | | |
| AI 4500 | | | | | | | | | | | | | | | | |
| AI 4000 | | | | | | | | | | | | | | | | |
| AI 3500 | | | | | | | | | | | | | | | | |
| AI 3000 | | | | | | | | | | | | | | | | |
| AI 2500 | | | | | | | | | | | | | | | | |
| AI 2000 | | | | | | | | | | | | | | | | |
| AI 1800 | | | | | | | | | | | | | | | | |
| AI 1500 | | | | | | | | | | | | | | | | |
| AI 1200 | | | | | | | | | | | | | | | | |
| AI 1000 | | | | | | | | | | | | | | | | |
| AI 900 | | | | | | | | | | | | | | | | |
| AI 800 | | | | | | | | | | | | | | | | |
| AI 700 | | | | | | | | | | | | | | | | |
| AI 600 | | | | | | | | | | | | | | | | |
| AI 500 | | | | | | | | | | | | | | | | |
| AI 400 | | | | | | | | | | | | | | | | |
| AI 300 | | | | | | | | | | | | | | | | |
| AI 200 | | | | | | | | | | | | | | | | |
| AI 100 | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME _____ YEARS _____ MONTH _____
 PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)
 HOURS 11 5 7

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | |
| ≥ 18000 | | | | | | | | | | | | | |
| ≥ 16000 | | | | | | | | | | | | | |
| ≥ 14000 | | | | | | | | | | | | | |
| ≥ 12000 | | | | | | | | | | | | | |
| ≥ 10000 | | | | | | | | | | | | | |
| ≥ 9000 | | | | | | | | | | | | | |
| ≥ 8000 | | | | | | | | | | | | | |
| ≥ 7000 | | | | | | | | | | | | | |
| ≥ 6000 | | | | | | | | | | | | | |
| ≥ 5000 | | | | | | | | | | | | | |
| ≥ 4500 | | | | | | | | | | | | | |
| ≥ 4000 | | | | | | | | | | | | | |
| ≥ 3500 | | | | | | | | | | | | | |
| ≥ 3000 | | | | | | | | | | | | | |
| ≥ 2500 | | | | | | | | | | | | | |
| ≥ 2000 | | | | | | | | | | | | | |
| ≥ 1800 | | | | | | | | | | | | | |
| ≥ 1500 | | | | | | | | | | | | | |
| ≥ 1200 | | | | | | | | | | | | | |
| ≥ 1000 | | | | | | | | | | | | | |
| ≥ 900 | | | | | | | | | | | | | |
| ≥ 800 | | | | | | | | | | | | | |
| ≥ 700 | | | | | | | | | | | | | |
| ≥ 600 | | | | | | | | | | | | | |
| ≥ 500 | | | | | | | | | | | | | |
| ≥ 400 | | | | | | | | | | | | | |
| ≥ 300 | | | | | | | | | | | | | |
| ≥ 200 | | | | | | | | | | | | | |
| ≥ 100 | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|-----|-----|-----|-----|--------|-------|--------|--------|--------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 1/64 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

DIR. JAVOCEAN MET ST. 5005

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|-------|-----|-------|--------|-----|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1.25 | ≥ 1 | ≥ .75 | ≥ .5 |
| NO CEILING | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | |
| ≥ 18000 | | | | | | | | | | | | |
| ≥ 16000 | | | | | | | | | | | | |
| ≥ 14000 | | | | | | | | | | | | |
| ≥ 12000 | | | | | | | | | | | | |
| ≥ 10000 | | | | | | | | | | | | |
| ≥ 9000 | | | | | | | | | | | | |
| ≥ 8000 | | | | | | | | | | | | |
| ≥ 7000 | | | | | | | | | | | | |
| ≥ 6000 | | | | | | | | | | | | |
| ≥ 5000 | | | | | | | | | | | | |
| ≥ 4500 | | | | | | | | | | | | |
| ≥ 4000 | | | | | | | | | | | | |
| ≥ 3500 | | | | | | | | | | | | |
| ≥ 3000 | | | | | | | | | | | | |
| ≥ 2500 | | | | | | | | | | | | |
| ≥ 2000 | | | | | | | | | | | | |
| ≥ 1800 | | | | | | | | | | | | |
| ≥ 1500 | | | | | | | | | | | | |
| ≥ 1200 | | | | | | | | | | | | |
| ≥ 1000 | | | | | | | | | | | | |
| ≥ 900 | | | | | | | | | | | | |
| ≥ 800 | | | | | | | | | | | | |
| ≥ 700 | | | | | | | | | | | | |
| ≥ 600 | | | | | | | | | | | | |
| ≥ 500 | | | | | | | | | | | | |
| ≥ 400 | | | | | | | | | | | | |
| ≥ 300 | | | | | | | | | | | | |
| ≥ 200 | | | | | | | | | | | | |
| ≥ 100 | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME
 YEARS
 NORTH
 HOURS TEST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|-------|-----|-------|-----|------|-------|-------|------|-------|--------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .25 | ≥ .15 | ≥ .1 | ≥ .05 | ≥ .025 | ≥ .015 | ≥ .01 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME: _____ YEARS: _____ MONTH: _____
 PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|-------|-----|-------|--------|-----|-------|------|-------|--------|---------|----------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1.25 | ≥ 1 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .125 | ≥ .0625 | ≥ .03125 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-------|--------|--------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | |
| ≥ 18000 | | | | | | | | | | | | | | | | | |
| ≥ 16000 | | | | | | | | | | | | | | | | | |
| ≥ 14000 | | | | | | | | | | | | | | | | | |
| ≥ 12000 | | | | | | | | | | | | | | | | | |
| ≥ 10000 | | | | | | | | | | | | | | | | | |
| ≥ 9000 | | | | | | | | | | | | | | | | | |
| ≥ 8000 | | | | | | | | | | | | | | | | | |
| ≥ 7000 | | | | | | | | | | | | | | | | | |
| ≥ 6000 | | | | | | | | | | | | | | | | | |
| ≥ 5000 | | | | | | | | | | | | | | | | | |
| ≥ 4500 | | | | | | | | | | | | | | | | | |
| ≥ 4000 | | | | | | | | | | | | | | | | | |
| ≥ 3500 | | | | | | | | | | | | | | | | | |
| ≥ 3000 | | | | | | | | | | | | | | | | | |
| ≥ 2500 | | | | | | | | | | | | | | | | | |
| ≥ 2000 | | | | | | | | | | | | | | | | | |
| ≥ 1800 | | | | | | | | | | | | | | | | | |
| ≥ 1500 | | | | | | | | | | | | | | | | | |
| ≥ 1200 | | | | | | | | | | | | | | | | | |
| ≥ 1000 | | | | | | | | | | | | | | | | | |
| ≥ 900 | | | | | | | | | | | | | | | | | |
| ≥ 800 | | | | | | | | | | | | | | | | | |
| ≥ 700 | | | | | | | | | | | | | | | | | |
| ≥ 600 | | | | | | | | | | | | | | | | | |
| ≥ 500 | | | | | | | | | | | | | | | | | |
| ≥ 400 | | | | | | | | | | | | | | | | | |
| ≥ 300 | | | | | | | | | | | | | | | | | |
| ≥ 200 | | | | | | | | | | | | | | | | | |
| ≥ 100 | | | | | | | | | | | | | | | | | |
| ≥ 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

YEAR

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-------|--------|--------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | |
| ≥ 18000 | | | | | | | | | | | | | | | | | |
| ≥ 16000 | | | | | | | | | | | | | | | | | |
| ≥ 14000 | | | | | | | | | | | | | | | | | |
| ≥ 12000 | | | | | | | | | | | | | | | | | |
| ≥ 10000 | | | | | | | | | | | | | | | | | |
| ≥ 9000 | | | | | | | | | | | | | | | | | |
| ≥ 8000 | | | | | | | | | | | | | | | | | |
| ≥ 7000 | | | | | | | | | | | | | | | | | |
| ≥ 6000 | | | | | | | | | | | | | | | | | |
| ≥ 5000 | | | | | | | | | | | | | | | | | |
| ≥ 4500 | | | | | | | | | | | | | | | | | |
| ≥ 4000 | | | | | | | | | | | | | | | | | |
| ≥ 3500 | | | | | | | | | | | | | | | | | |
| ≥ 3000 | | | | | | | | | | | | | | | | | |
| ≥ 2500 | | | | | | | | | | | | | | | | | |
| ≥ 2000 | | | | | | | | | | | | | | | | | |
| ≥ 1800 | | | | | | | | | | | | | | | | | |
| ≥ 1500 | | | | | | | | | | | | | | | | | |
| ≥ 1200 | | | | | | | | | | | | | | | | | |
| ≥ 1000 | | | | | | | | | | | | | | | | | |
| ≥ 900 | | | | | | | | | | | | | | | | | |
| ≥ 800 | | | | | | | | | | | | | | | | | |
| ≥ 700 | | | | | | | | | | | | | | | | | |
| ≥ 600 | | | | | | | | | | | | | | | | | |
| ≥ 500 | | | | | | | | | | | | | | | | | |
| ≥ 400 | | | | | | | | | | | | | | | | | |
| ≥ 300 | | | | | | | | | | | | | | | | | |
| ≥ 200 | | | | | | | | | | | | | | | | | |
| ≥ 100 | | | | | | | | | | | | | | | | | |
| ≥ 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

ORNAVUCCATTHET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MO-RE 1 5 7

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-------|--------|-------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 5/16 | ≥ 1/4 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | |
| ≥ 18000 | | | | | | | | | | | | | | | | | |
| ≥ 16000 | | | | | | | | | | | | | | | | | |
| ≥ 14000 | | | | | | | | | | | | | | | | | |
| ≥ 12000 | | | | | | | | | | | | | | | | | |
| ≥ 10000 | | | | | | | | | | | | | | | | | |
| ≥ 9000 | | | | | | | | | | | | | | | | | |
| ≥ 8000 | | | | | | | | | | | | | | | | | |
| ≥ 7000 | | | | | | | | | | | | | | | | | |
| ≥ 6000 | | | | | | | | | | | | | | | | | |
| ≥ 5000 | | | | | | | | | | | | | | | | | |
| ≥ 4500 | | | | | | | | | | | | | | | | | |
| ≥ 4000 | | | | | | | | | | | | | | | | | |
| ≥ 3500 | | | | | | | | | | | | | | | | | |
| ≥ 3000 | | | | | | | | | | | | | | | | | |
| ≥ 2500 | | | | | | | | | | | | | | | | | |
| ≥ 2000 | | | | | | | | | | | | | | | | | |
| ≥ 1800 | | | | | | | | | | | | | | | | | |
| ≥ 1500 | | | | | | | | | | | | | | | | | |
| ≥ 1200 | | | | | | | | | | | | | | | | | |
| ≥ 1000 | | | | | | | | | | | | | | | | | |
| ≥ 900 | | | | | | | | | | | | | | | | | |
| ≥ 800 | | | | | | | | | | | | | | | | | |
| ≥ 700 | | | | | | | | | | | | | | | | | |
| ≥ 600 | | | | | | | | | | | | | | | | | |
| ≥ 500 | | | | | | | | | | | | | | | | | |
| ≥ 400 | | | | | | | | | | | | | | | | | |
| ≥ 300 | | | | | | | | | | | | | | | | | |
| ≥ 200 | | | | | | | | | | | | | | | | | |
| ≥ 100 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

DIRAVUJCEANJET SMOS

CEILING VERSUS VISIBILITY

AS THE WEATHER CHANGES, RECORD THE FOLLOWING

STATION

STATION NAME

YEARS

MOUTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|--------|-----|-------|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ 5/16 | ≥ ¼ | ≥ 1/8 | ≥ 0 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

DIRECTION OF WIND

SMOS

CEILING VERSUS VISIBILITY

NAVAL WEATHER SERVICE DETACHMENT, WASHINGTON, D.C.

STATION

STATION NAME

YEARS

MONTH

HOURS L.S.T.

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|-----|-----|-----|--------|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVJCEANDET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

TEARS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

MONTH

HOURS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|-----|-----|-----|-----|-------|-----|-------|-----|-------|------|-------|-------|------|-----|
| | NO CEILING | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .15 | ≥ .1 | ≥ 0 |
| 20000 | AI | | | | | | | | | | | | | | | |
| 18000 | AI | | | | | | | | | | | | | | | |
| 16000 | AI | | | | | | | | | | | | | | | |
| 14000 | AI | | | | | | | | | | | | | | | |
| 12000 | AI | | | | | | | | | | | | | | | |
| 10000 | AI | | | | | | | | | | | | | | | |
| 9000 | AI | | | | | | | | | | | | | | | |
| 8000 | AI | | | | | | | | | | | | | | | |
| 7000 | AI | | | | | | | | | | | | | | | |
| 6000 | AI | | | | | | | | | | | | | | | |
| 5000 | AI | | | | | | | | | | | | | | | |
| 4500 | AI | | | | | | | | | | | | | | | |
| 4000 | AI | | | | | | | | | | | | | | | |
| 3500 | AI | | | | | | | | | | | | | | | |
| 3000 | AI | | | | | | | | | | | | | | | |
| 2500 | AI | | | | | | | | | | | | | | | |
| 2000 | AI | | | | | | | | | | | | | | | |
| 1800 | AI | | | | | | | | | | | | | | | |
| 1500 | AI | | | | | | | | | | | | | | | |
| 1200 | AI | | | | | | | | | | | | | | | |
| 1000 | AI | | | | | | | | | | | | | | | |
| 900 | AI | | | | | | | | | | | | | | | |
| 800 | AI | | | | | | | | | | | | | | | |
| 700 | AI | | | | | | | | | | | | | | | |
| 600 | AI | | | | | | | | | | | | | | | |
| 500 | AI | | | | | | | | | | | | | | | |
| 400 | AI | | | | | | | | | | | | | | | |
| 300 | AI | | | | | | | | | | | | | | | |
| 200 | AI | | | | | | | | | | | | | | | |
| 100 | AI | | | | | | | | | | | | | | | |
| 0 | AI | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME _____ MONTH _____
 YEARS _____ HOURS LST _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-------|--------|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/5 | ≥ 1/10 | ≥ 0 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF HOURS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|--------|--------|--------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/32 | ≥ 1/64 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

UNITED STATES GOVERNMENT

CEILING VERSUS VISIBILITY

STATION

STATE OR NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|-------|-----|-------|--------|-----|-------|------|-------|-------|------|-------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1.25 | ≥ 1 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .16 | ≥ .1 | ≥ .05 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

CEILING VERSUS VISIBILITY

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS 1-24

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|-------|-----|-------|-----|-------|------|-------|-------|------|--------|-------|--------|--------|-------|---------|--------|---------|---------|--------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .15 | ≥ .1 | ≥ .075 | ≥ .05 | ≥ .025 | ≥ .015 | ≥ .01 | ≥ .0075 | ≥ .005 | ≥ .0025 | ≥ .0015 | ≥ .001 |
| NO CEILING | | | | | | | | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

DATE

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|-----|-----|-----|-------|-----|-------|-----|-------|------|-------|------|
| | ≥ 10 | ≥ 9 | ≥ 8 | ≥ 7 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .1 |
| NO CEILING | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

NO. OF

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|---|---|---|-------|--------|--------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ¾ | ½ | ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 |
| NO CEILING | | | | | | | | | | | | | | | | |
| 20000 | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-------|--------|--------|--------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 1/64 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | |
| ≥ 18000 | | | | | | | | | | | | | | | | | |
| ≥ 16000 | | | | | | | | | | | | | | | | | |
| ≥ 14000 | | | | | | | | | | | | | | | | | |
| ≥ 12000 | | | | | | | | | | | | | | | | | |
| ≥ 10000 | | | | | | | | | | | | | | | | | |
| ≥ 9000 | | | | | | | | | | | | | | | | | |
| ≥ 8000 | | | | | | | | | | | | | | | | | |
| ≥ 7000 | | | | | | | | | | | | | | | | | |
| ≥ 6000 | | | | | | | | | | | | | | | | | |
| ≥ 5000 | | | | | | | | | | | | | | | | | |
| ≥ 4500 | | | | | | | | | | | | | | | | | |
| ≥ 4000 | | | | | | | | | | | | | | | | | |
| ≥ 3500 | | | | | | | | | | | | | | | | | |
| ≥ 3000 | | | | | | | | | | | | | | | | | |
| ≥ 2500 | | | | | | | | | | | | | | | | | |
| ≥ 2000 | | | | | | | | | | | | | | | | | |
| ≥ 1800 | | | | | | | | | | | | | | | | | |
| ≥ 1500 | | | | | | | | | | | | | | | | | |
| ≥ 1200 | | | | | | | | | | | | | | | | | |
| ≥ 1000 | | | | | | | | | | | | | | | | | |
| ≥ 900 | | | | | | | | | | | | | | | | | |
| ≥ 800 | | | | | | | | | | | | | | | | | |
| ≥ 700 | | | | | | | | | | | | | | | | | |
| ≥ 600 | | | | | | | | | | | | | | | | | |
| ≥ 500 | | | | | | | | | | | | | | | | | |
| ≥ 400 | | | | | | | | | | | | | | | | | |
| ≥ 300 | | | | | | | | | | | | | | | | | |
| ≥ 200 | | | | | | | | | | | | | | | | | |
| ≥ 100 | | | | | | | | | | | | | | | | | |
| ≥ 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

DIFFERENCE IN STATION

CEILING VERSUS VISIBILITY

SECRET

500

100

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME
 YEARS
 MONTH
 DAYS LIST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|--------|------|--------|--------|------|--------|-------|--------|-------|--------|------|
| | VI 10 | VI 6 | VI 5 | VI 4 | VI 3 | VI 2.5 | VI 2 | VI 1.5 | VI 1.4 | VI 1 | VI .75 | VI .5 | VI .25 | VI .1 | VI .05 | VI 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| 20000 | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|-------|-----|-------|-----|-------|------|-------|-------|------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .15 | ≥ .1 | ≥ .05 | ≥ .0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | |
| ≥ 18000 | | | | | | | | | | | | | | | | |
| ≥ 16000 | | | | | | | | | | | | | | | | |
| ≥ 14000 | | | | | | | | | | | | | | | | |
| ≥ 12000 | | | | | | | | | | | | | | | | |
| ≥ 10000 | | | | | | | | | | | | | | | | |
| ≥ 9000 | | | | | | | | | | | | | | | | |
| ≥ 8000 | | | | | | | | | | | | | | | | |
| ≥ 7000 | | | | | | | | | | | | | | | | |
| ≥ 6000 | | | | | | | | | | | | | | | | |
| ≥ 5000 | | | | | | | | | | | | | | | | |
| ≥ 4500 | | | | | | | | | | | | | | | | |
| ≥ 4000 | | | | | | | | | | | | | | | | |
| ≥ 3500 | | | | | | | | | | | | | | | | |
| ≥ 3000 | | | | | | | | | | | | | | | | |
| ≥ 2500 | | | | | | | | | | | | | | | | |
| ≥ 2000 | | | | | | | | | | | | | | | | |
| ≥ 1800 | | | | | | | | | | | | | | | | |
| ≥ 1500 | | | | | | | | | | | | | | | | |
| ≥ 1200 | | | | | | | | | | | | | | | | |
| ≥ 1000 | | | | | | | | | | | | | | | | |
| ≥ 900 | | | | | | | | | | | | | | | | |
| ≥ 800 | | | | | | | | | | | | | | | | |
| ≥ 700 | | | | | | | | | | | | | | | | |
| ≥ 600 | | | | | | | | | | | | | | | | |
| ≥ 500 | | | | | | | | | | | | | | | | |
| ≥ 400 | | | | | | | | | | | | | | | | |
| ≥ 300 | | | | | | | | | | | | | | | | |
| ≥ 200 | | | | | | | | | | | | | | | | |
| ≥ 100 | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS

| CEILING
FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|-------|-----|-------|-----|------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .25 | ≥ .1 |
| NO CEILING | | | | | | | | | | | | |
| 20000 | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

OFFICIAL USE ONLY - STATUS

CEILING VERSUS VISIBILITY

STATION NAME
MONTH
HOURS LIST

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-------|--------|--------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| 20000 | | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

OFFICIAL RECORD

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | |
|-----------------|----------------------------|----|---|----|---|---|---|-----|---|-----|---|-----|
| | AI | 10 | 0 | AI | 5 | 4 | 3 | 2.5 | 2 | 1.5 | 1 | 0.5 |
| NO CEILING | | | | | | | | | | | | |
| 20000 | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|-------|-----|-------|-----|-------|------|-------|-------|------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .15 | ≥ .1 | ≥ .05 | ≥ .0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

DATE: JANUARY 1955

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-------|--------|--------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| 20000 | | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

FORM 10-1 (REVISED 10-55)

CEILING VERSUS VISIBILITY



71403

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

TOTAL NUMBER OF OBSERVATIONS

CONVOLUTIONAL LAYERS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|-------|-----|-------|-----|------|-------|-------|------|-------|--------|-------|
| | > 10 | > 6 | > 5 | > 4 | > 3 | > 2.5 | > 2 | > 1.5 | > 1 | > .5 | > .25 | > .15 | > .1 | > .05 | > .025 | > .01 |
| NO CEILING | | | | | | | | | | | | | | | | |
| 20000 | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME: _____
 MONTH: _____
 YEARS: _____
 HOURS: _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|-------|-----|-------|--------|-----|-------|------|-------|--------|---------|----------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1.25 | ≥ 1 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .125 | ≥ .0625 | ≥ .03125 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | |
| ≥ 18000 | | | | | | | | | | | | | | | | | |
| ≥ 16000 | | | | | | | | | | | | | | | | | |
| ≥ 14000 | | | | | | | | | | | | | | | | | |
| ≥ 12000 | | | | | | | | | | | | | | | | | |
| ≥ 10000 | | | | | | | | | | | | | | | | | |
| ≥ 9000 | | | | | | | | | | | | | | | | | |
| ≥ 8000 | | | | | | | | | | | | | | | | | |
| ≥ 7000 | | | | | | | | | | | | | | | | | |
| ≥ 6000 | | | | | | | | | | | | | | | | | |
| ≥ 5000 | | | | | | | | | | | | | | | | | |
| ≥ 4500 | | | | | | | | | | | | | | | | | |
| ≥ 4000 | | | | | | | | | | | | | | | | | |
| ≥ 3500 | | | | | | | | | | | | | | | | | |
| ≥ 3000 | | | | | | | | | | | | | | | | | |
| ≥ 2500 | | | | | | | | | | | | | | | | | |
| ≥ 2000 | | | | | | | | | | | | | | | | | |
| ≥ 1800 | | | | | | | | | | | | | | | | | |
| ≥ 1500 | | | | | | | | | | | | | | | | | |
| ≥ 1200 | | | | | | | | | | | | | | | | | |
| ≥ 1000 | | | | | | | | | | | | | | | | | |
| ≥ 900 | | | | | | | | | | | | | | | | | |
| ≥ 800 | | | | | | | | | | | | | | | | | |
| ≥ 700 | | | | | | | | | | | | | | | | | |
| ≥ 600 | | | | | | | | | | | | | | | | | |
| ≥ 500 | | | | | | | | | | | | | | | | | |
| ≥ 400 | | | | | | | | | | | | | | | | | |
| ≥ 300 | | | | | | | | | | | | | | | | | |
| ≥ 200 | | | | | | | | | | | | | | | | | |
| ≥ 100 | | | | | | | | | | | | | | | | | |
| ≥ 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-------|--------|--------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/5 | ≥ 1/10 | ≥ 1/20 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME
MONTH
YEAR
HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|-------|-----|-------|-----|------|-------|-------|------|-------|--------|-------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .25 | ≥ .15 | ≥ .1 | ≥ .05 | ≥ .025 | ≥ .01 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | |
| ≥ 18000 | | | | | | | | | | | | | | | | | |
| ≥ 16000 | | | | | | | | | | | | | | | | | |
| ≥ 14000 | | | | | | | | | | | | | | | | | |
| ≥ 12000 | | | | | | | | | | | | | | | | | |
| ≥ 10000 | | | | | | | | | | | | | | | | | |
| ≥ 9000 | | | | | | | | | | | | | | | | | |
| ≥ 8000 | | | | | | | | | | | | | | | | | |
| ≥ 7000 | | | | | | | | | | | | | | | | | |
| ≥ 6000 | | | | | | | | | | | | | | | | | |
| ≥ 5000 | | | | | | | | | | | | | | | | | |
| ≥ 4500 | | | | | | | | | | | | | | | | | |
| ≥ 4000 | | | | | | | | | | | | | | | | | |
| ≥ 3500 | | | | | | | | | | | | | | | | | |
| ≥ 3000 | | | | | | | | | | | | | | | | | |
| ≥ 2500 | | | | | | | | | | | | | | | | | |
| ≥ 2000 | | | | | | | | | | | | | | | | | |
| ≥ 1800 | | | | | | | | | | | | | | | | | |
| ≥ 1500 | | | | | | | | | | | | | | | | | |
| ≥ 1200 | | | | | | | | | | | | | | | | | |
| ≥ 1000 | | | | | | | | | | | | | | | | | |
| ≥ 900 | | | | | | | | | | | | | | | | | |
| ≥ 800 | | | | | | | | | | | | | | | | | |
| ≥ 700 | | | | | | | | | | | | | | | | | |
| ≥ 600 | | | | | | | | | | | | | | | | | |
| ≥ 500 | | | | | | | | | | | | | | | | | |
| ≥ 400 | | | | | | | | | | | | | | | | | |
| ≥ 300 | | | | | | | | | | | | | | | | | |
| ≥ 200 | | | | | | | | | | | | | | | | | |
| ≥ 100 | | | | | | | | | | | | | | | | | |
| ≥ 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

DIPNAVJCEANTMET 5MUS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-------|-----|-----|
| | NO CEILING | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 0 | ≥ 0 |
| 20000 | AI | | | | | | | | | | | | | | | | |
| 18000 | AI AI | | | | | | | | | | | | | | | | |
| 16000 | AI AI | | | | | | | | | | | | | | | | |
| 14000 | AI AI | | | | | | | | | | | | | | | | |
| 12000 | AI AI | | | | | | | | | | | | | | | | |
| 10000 | AI AI | | | | | | | | | | | | | | | | |
| 9000 | AI AI | | | | | | | | | | | | | | | | |
| 8000 | AI AI | | | | | | | | | | | | | | | | |
| 7000 | AI AI | | | | | | | | | | | | | | | | |
| 6000 | AI AI | | | | | | | | | | | | | | | | |
| 5000 | AI AI | | | | | | | | | | | | | | | | |
| 4300 | AI AI | | | | | | | | | | | | | | | | |
| 4000 | AI AI | | | | | | | | | | | | | | | | |
| 3500 | AI AI | | | | | | | | | | | | | | | | |
| 3000 | AI AI | | | | | | | | | | | | | | | | |
| 2500 | AI AI | | | | | | | | | | | | | | | | |
| 2000 | AI AI | | | | | | | | | | | | | | | | |
| 1800 | AI AI | | | | | | | | | | | | | | | | |
| 1500 | AI AI | | | | | | | | | | | | | | | | |
| 1200 | AI AI | | | | | | | | | | | | | | | | |
| 1000 | AI AI | | | | | | | | | | | | | | | | |
| 900 | AI AI | | | | | | | | | | | | | | | | |
| 800 | AI AI | | | | | | | | | | | | | | | | |
| 700 | AI AI | | | | | | | | | | | | | | | | |
| 600 | AI AI | | | | | | | | | | | | | | | | |
| 500 | AI AI | | | | | | | | | | | | | | | | |
| 400 | AI AI | | | | | | | | | | | | | | | | |
| 300 | AI AI | | | | | | | | | | | | | | | | |
| 200 | AI AI | | | | | | | | | | | | | | | | |
| 100 | AI AI | | | | | | | | | | | | | | | | |
| 0 | AI AI | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

FORM 10-1 (10-10-55)

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|-----|-----|-----|-----|-------|--------|--------|--------|---------|---------|---------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 1/64 | ≥ 1/128 | ≥ 1/256 | ≥ 1/512 |
| NO CEILING | | | | | | | | | | | | | | | | | | | |
| 20000 | | | | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

DIRTAVUJCANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH

| CEILING
(FEET) | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-------|-----|----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 0 | AI |
| NO CEILING | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

DIRT-AV/CEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-------|-----|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 0 | AI 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| AI 20000 | | | | | | | | | | | | | | | | |
| AI 18000 | | | | | | | | | | | | | | | | |
| AI 16000 | | | | | | | | | | | | | | | | |
| AI 14000 | | | | | | | | | | | | | | | | |
| AI 12000 | | | | | | | | | | | | | | | | |
| AI 10000 | | | | | | | | | | | | | | | | |
| AI 9000 | | | | | | | | | | | | | | | | |
| AI 8000 | | | | | | | | | | | | | | | | |
| AI 7000 | | | | | | | | | | | | | | | | |
| AI 6000 | | | | | | | | | | | | | | | | |
| AI 5000 | | | | | | | | | | | | | | | | |
| AI 4500 | | | | | | | | | | | | | | | | |
| AI 4000 | | | | | | | | | | | | | | | | |
| AI 3500 | | | | | | | | | | | | | | | | |
| AI 3000 | | | | | | | | | | | | | | | | |
| AI 2500 | | | | | | | | | | | | | | | | |
| AI 2000 | | | | | | | | | | | | | | | | |
| AI 1800 | | | | | | | | | | | | | | | | |
| AI 1500 | | | | | | | | | | | | | | | | |
| AI 1200 | | | | | | | | | | | | | | | | |
| AI 1000 | | | | | | | | | | | | | | | | |
| AI 900 | | | | | | | | | | | | | | | | |
| AI 800 | | | | | | | | | | | | | | | | |
| AI 700 | | | | | | | | | | | | | | | | |
| AI 600 | | | | | | | | | | | | | | | | |
| AI 500 | | | | | | | | | | | | | | | | |
| AI 400 | | | | | | | | | | | | | | | | |
| AI 300 | | | | | | | | | | | | | | | | |
| AI 200 | | | | | | | | | | | | | | | | |
| AI 100 | | | | | | | | | | | | | | | | |
| AI 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|-------|-----|-------|--------|-----|-------|------|-------|-------|------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1.25 | ≥ 1 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .15 | ≥ .1 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

DIRNAVOCEANMET SMOS

CEILING VERSUS VISIBILITY

STATION NAME
YEAR
MONTH
HOURS
ST

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-------|--------|-------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 5/16 | ≥ 1/4 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

DATE: JUNE 21 1955

CEILING VERSUS VISIBILITY

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

HOURS

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|-------|-----|-------|-------|-----|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1.2 | ≥ 1 | ≥ .8 | ≥ .6 |
| NO CEILING | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | |
| ≥ 18000 | | | | | | | | | | | | |
| ≥ 16000 | | | | | | | | | | | | |
| ≥ 14000 | | | | | | | | | | | | |
| ≥ 12000 | | | | | | | | | | | | |
| ≥ 10000 | | | | | | | | | | | | |
| ≥ 9000 | | | | | | | | | | | | |
| ≥ 8000 | | | | | | | | | | | | |
| ≥ 7000 | | | | | | | | | | | | |
| ≥ 6000 | | | | | | | | | | | | |
| ≥ 5000 | | | | | | | | | | | | |
| ≥ 4500 | | | | | | | | | | | | |
| ≥ 4000 | | | | | | | | | | | | |
| ≥ 3500 | | | | | | | | | | | | |
| ≥ 3000 | | | | | | | | | | | | |
| ≥ 2500 | | | | | | | | | | | | |
| ≥ 2000 | | | | | | | | | | | | |
| ≥ 1800 | | | | | | | | | | | | |
| ≥ 1500 | | | | | | | | | | | | |
| ≥ 1200 | | | | | | | | | | | | |
| ≥ 1000 | | | | | | | | | | | | |
| ≥ 900 | | | | | | | | | | | | |
| ≥ 800 | | | | | | | | | | | | |
| ≥ 700 | | | | | | | | | | | | |
| ≥ 600 | | | | | | | | | | | | |
| ≥ 500 | | | | | | | | | | | | |
| ≥ 400 | | | | | | | | | | | | |
| ≥ 300 | | | | | | | | | | | | |
| ≥ 200 | | | | | | | | | | | | |
| ≥ 100 | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME: _____ YEAR: _____ MONTH: _____
 PERCENTAGE FREQUENCY OF OCCURRENCE
 (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|-------|-----|-------|--------|-----|-------|------|-------|--------|---------|----------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1.25 | ≥ 1 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .125 | ≥ .0625 | ≥ .03125 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | |
| ≥ 18000 | | | | | | | | | | | | | | | | | |
| ≥ 16000 | | | | | | | | | | | | | | | | | |
| ≥ 14000 | | | | | | | | | | | | | | | | | |
| ≥ 12000 | | | | | | | | | | | | | | | | | |
| ≥ 10000 | | | | | | | | | | | | | | | | | |
| ≥ 9000 | | | | | | | | | | | | | | | | | |
| ≥ 8000 | | | | | | | | | | | | | | | | | |
| ≥ 7000 | | | | | | | | | | | | | | | | | |
| ≥ 6000 | | | | | | | | | | | | | | | | | |
| ≥ 5000 | | | | | | | | | | | | | | | | | |
| ≥ 4500 | | | | | | | | | | | | | | | | | |
| ≥ 4000 | | | | | | | | | | | | | | | | | |
| ≥ 3500 | | | | | | | | | | | | | | | | | |
| ≥ 3000 | | | | | | | | | | | | | | | | | |
| ≥ 2500 | | | | | | | | | | | | | | | | | |
| ≥ 2000 | | | | | | | | | | | | | | | | | |
| ≥ 1800 | | | | | | | | | | | | | | | | | |
| ≥ 1500 | | | | | | | | | | | | | | | | | |
| ≥ 1200 | | | | | | | | | | | | | | | | | |
| ≥ 1000 | | | | | | | | | | | | | | | | | |
| ≥ 900 | | | | | | | | | | | | | | | | | |
| ≥ 800 | | | | | | | | | | | | | | | | | |
| ≥ 700 | | | | | | | | | | | | | | | | | |
| ≥ 600 | | | | | | | | | | | | | | | | | |
| ≥ 500 | | | | | | | | | | | | | | | | | |
| ≥ 400 | | | | | | | | | | | | | | | | | |
| ≥ 300 | | | | | | | | | | | | | | | | | |
| ≥ 200 | | | | | | | | | | | | | | | | | |
| ≥ 100 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS: _____

CEILING VERSUS VISIBILITY

STATION NAME _____ YEAR _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|---------|-----|---------|---------|-----|-------|-------|-------|-------|--------|--------|---|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | 0 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-------|--------|--------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | |
| ≥ 18000 | | | | | | | | | | | | | | | | | |
| ≥ 16000 | | | | | | | | | | | | | | | | | |
| ≥ 14000 | | | | | | | | | | | | | | | | | |
| ≥ 12000 | | | | | | | | | | | | | | | | | |
| ≥ 10000 | | | | | | | | | | | | | | | | | |
| ≥ 9000 | | | | | | | | | | | | | | | | | |
| ≥ 8000 | | | | | | | | | | | | | | | | | |
| ≥ 7000 | | | | | | | | | | | | | | | | | |
| ≥ 6000 | | | | | | | | | | | | | | | | | |
| ≥ 5000 | | | | | | | | | | | | | | | | | |
| ≥ 4500 | | | | | | | | | | | | | | | | | |
| ≥ 4000 | | | | | | | | | | | | | | | | | |
| ≥ 3500 | | | | | | | | | | | | | | | | | |
| ≥ 3000 | | | | | | | | | | | | | | | | | |
| ≥ 2500 | | | | | | | | | | | | | | | | | |
| ≥ 2000 | | | | | | | | | | | | | | | | | |
| ≥ 1800 | | | | | | | | | | | | | | | | | |
| ≥ 1500 | | | | | | | | | | | | | | | | | |
| ≥ 1200 | | | | | | | | | | | | | | | | | |
| ≥ 1000 | | | | | | | | | | | | | | | | | |
| ≥ 900 | | | | | | | | | | | | | | | | | |
| ≥ 800 | | | | | | | | | | | | | | | | | |
| ≥ 700 | | | | | | | | | | | | | | | | | |
| ≥ 600 | | | | | | | | | | | | | | | | | |
| ≥ 500 | | | | | | | | | | | | | | | | | |
| ≥ 400 | | | | | | | | | | | | | | | | | |
| ≥ 300 | | | | | | | | | | | | | | | | | |
| ≥ 200 | | | | | | | | | | | | | | | | | |
| ≥ 100 | | | | | | | | | | | | | | | | | |
| ≥ 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | NO CEILING | > 10 | > 6 | > 5 | > 4 | > 3 | > 2 1/2 | > 2 | > 1 1/2 | > 1 | > 3/4 | > 1/2 | > 1/4 | > 1/8 | > 1/16 | > 1/32 | > 1/64 |
|-----------------|------------|------|-----|-----|-----|-----|---------|-----|---------|-----|-------|-------|-------|-------|--------|--------|--------|
| NO CEILING | | | | | | | | | | | | | | | | | |
| 20000 | AI | | | | | | | | | | | | | | | | |
| 18000 | AI | | | | | | | | | | | | | | | | |
| 16000 | AI | | | | | | | | | | | | | | | | |
| 14000 | AI | | | | | | | | | | | | | | | | |
| 12000 | AI | | | | | | | | | | | | | | | | |
| 10000 | AI | | | | | | | | | | | | | | | | |
| 9000 | AI | | | | | | | | | | | | | | | | |
| 8000 | AI | | | | | | | | | | | | | | | | |
| 7000 | AI | | | | | | | | | | | | | | | | |
| 6000 | AI | | | | | | | | | | | | | | | | |
| 5000 | AI | | | | | | | | | | | | | | | | |
| 4500 | AI | | | | | | | | | | | | | | | | |
| 4000 | AI | | | | | | | | | | | | | | | | |
| 3500 | AI | | | | | | | | | | | | | | | | |
| 3000 | AI | | | | | | | | | | | | | | | | |
| 2500 | AI | | | | | | | | | | | | | | | | |
| 2000 | AI | | | | | | | | | | | | | | | | |
| 1800 | AI | | | | | | | | | | | | | | | | |
| 1500 | AI | | | | | | | | | | | | | | | | |
| 1200 | AI | | | | | | | | | | | | | | | | |
| 1000 | AI | | | | | | | | | | | | | | | | |
| 900 | AI | | | | | | | | | | | | | | | | |
| 800 | AI | | | | | | | | | | | | | | | | |
| 700 | AI | | | | | | | | | | | | | | | | |
| 600 | AI | | | | | | | | | | | | | | | | |
| 500 | AI | | | | | | | | | | | | | | | | |
| 400 | AI | | | | | | | | | | | | | | | | |
| 300 | AI | | | | | | | | | | | | | | | | |
| 200 | AI | | | | | | | | | | | | | | | | |
| 100 | AI | | | | | | | | | | | | | | | | |
| 0 | AI | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | > 10 | > 9 | > 8 | > 7 | > 6 | > 5 | > 4 | > 3 | > 2.5 | > 2 | > 1.5 | > 1 | > .75 | > .5 | > .25 | > .1 | TOTAL |
|-----------------|------|-----|-----|-----|-----|-----|-----|-----|-------|-----|-------|-----|-------|------|-------|------|-------|
| NO CEILING | | | | | | | | | | | | | | | | | |
| 20000 | | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

STATION: CELESTIAL

CEILING VERSUS VISIBILITY

STATION

DATE

TIME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | 10 | 6 | 5 | 4 | 3 | 2 1/2 | 2 | 1 1/2 | 1 | 3/4 | 1/2 | 1/4 | 0 |
|-----------------|----|---|---|---|---|-------|---|-------|---|-----|-----|-----|---|
| NO CEILING | | | | | | | | | | | | | |
| 20000 | AI | | | | | | | | | | | | |
| 18000 | AI | | | | | | | | | | | | |
| 16000 | AI | | | | | | | | | | | | |
| 14000 | AI | | | | | | | | | | | | |
| 12000 | AI | | | | | | | | | | | | |
| 10000 | AI | | | | | | | | | | | | |
| 9000 | AI | | | | | | | | | | | | |
| 8000 | AI | | | | | | | | | | | | |
| 7000 | AI | | | | | | | | | | | | |
| 6000 | AI | | | | | | | | | | | | |
| 5000 | AI | | | | | | | | | | | | |
| 4500 | AI | | | | | | | | | | | | |
| 4000 | AI | | | | | | | | | | | | |
| 3500 | AI | | | | | | | | | | | | |
| 3000 | AI | | | | | | | | | | | | |
| 2500 | AI | | | | | | | | | | | | |
| 2000 | AI | | | | | | | | | | | | |
| 1500 | AI | | | | | | | | | | | | |
| 1000 | AI | | | | | | | | | | | | |
| 500 | AI | | | | | | | | | | | | |
| 200 | AI | | | | | | | | | | | | |
| 100 | AI | | | | | | | | | | | | |
| 0 | AI | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME: _____
 MONTH: _____
 YEARS: _____
 HOURS: _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-------|--------|--------|---|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/5 | ≥ 1/10 | ≥ 1/20 | 0 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | |
| ≥ 18000 | | | | | | | | | | | | | | | | | |
| ≥ 16000 | | | | | | | | | | | | | | | | | |
| ≥ 14000 | | | | | | | | | | | | | | | | | |
| ≥ 12000 | | | | | | | | | | | | | | | | | |
| ≥ 10000 | | | | | | | | | | | | | | | | | |
| ≥ 9000 | | | | | | | | | | | | | | | | | |
| ≥ 8000 | | | | | | | | | | | | | | | | | |
| ≥ 7000 | | | | | | | | | | | | | | | | | |
| ≥ 6000 | | | | | | | | | | | | | | | | | |
| ≥ 5000 | | | | | | | | | | | | | | | | | |
| ≥ 4500 | | | | | | | | | | | | | | | | | |
| ≥ 4000 | | | | | | | | | | | | | | | | | |
| ≥ 3500 | | | | | | | | | | | | | | | | | |
| ≥ 3000 | | | | | | | | | | | | | | | | | |
| ≥ 2500 | | | | | | | | | | | | | | | | | |
| ≥ 2000 | | | | | | | | | | | | | | | | | |
| ≥ 1800 | | | | | | | | | | | | | | | | | |
| ≥ 1500 | | | | | | | | | | | | | | | | | |
| ≥ 1200 | | | | | | | | | | | | | | | | | |
| ≥ 1000 | | | | | | | | | | | | | | | | | |
| ≥ 900 | | | | | | | | | | | | | | | | | |
| ≥ 800 | | | | | | | | | | | | | | | | | |
| ≥ 700 | | | | | | | | | | | | | | | | | |
| ≥ 600 | | | | | | | | | | | | | | | | | |
| ≥ 500 | | | | | | | | | | | | | | | | | |
| ≥ 400 | | | | | | | | | | | | | | | | | |
| ≥ 300 | | | | | | | | | | | | | | | | | |
| ≥ 200 | | | | | | | | | | | | | | | | | |
| ≥ 100 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME: _____ YEARS: _____ MONTH: _____ HOURS: _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|---------|-----|---------|---------|-----|-------|-------|-------|-------|--------|--------|--------|
| | > 10 | > 6 | > 5 | > 4 | > 3 | > 2 1/2 | > 2 | > 1 1/2 | > 1 1/4 | > 1 | > 3/4 | > 1/2 | > 1/4 | > 1/8 | > 1/16 | > 1/32 | > 1/64 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| 20000 | | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
(FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-------|--------|--------|--------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 1/64 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| 20000 | | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME
MONTH
YEARS
HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 0 |
|-----------------|------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-----|
| NO CEILING | | | | | | | | | | | | | | |
| 20000 | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

NAME OF STATION: BUREAU OF LACROSSE, WISCONSIN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS: 1 2 3 4 5 6 7 8 9 10 11 12

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|-------|-----|-------|--------|-----|-------|------|-------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1.25 | ≥ 1 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | |
| ≥ 18000 | | | | | | | | | | | | | | |
| ≥ 16000 | | | | | | | | | | | | | | |
| ≥ 14000 | | | | | | | | | | | | | | |
| ≥ 12000 | | | | | | | | | | | | | | |
| ≥ 10000 | | | | | | | | | | | | | | |
| ≥ 9000 | | | | | | | | | | | | | | |
| ≥ 8000 | | | | | | | | | | | | | | |
| ≥ 7000 | | | | | | | | | | | | | | |
| ≥ 6000 | | | | | | | | | | | | | | |
| ≥ 5000 | | | | | | | | | | | | | | |
| ≥ 4500 | | | | | | | | | | | | | | |
| ≥ 4000 | | | | | | | | | | | | | | |
| ≥ 3500 | | | | | | | | | | | | | | |
| ≥ 3000 | | | | | | | | | | | | | | |
| ≥ 2500 | | | | | | | | | | | | | | |
| ≥ 2000 | | | | | | | | | | | | | | |
| ≥ 1800 | | | | | | | | | | | | | | |
| ≥ 1500 | | | | | | | | | | | | | | |
| ≥ 1200 | | | | | | | | | | | | | | |
| ≥ 1000 | | | | | | | | | | | | | | |
| ≥ 900 | | | | | | | | | | | | | | |
| ≥ 800 | | | | | | | | | | | | | | |
| ≥ 700 | | | | | | | | | | | | | | |
| ≥ 600 | | | | | | | | | | | | | | |
| ≥ 500 | | | | | | | | | | | | | | |
| ≥ 400 | | | | | | | | | | | | | | |
| ≥ 300 | | | | | | | | | | | | | | |
| ≥ 200 | | | | | | | | | | | | | | |
| ≥ 100 | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

OFFICIAL JOEANNET 07/25

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS LEFT

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-------|--------|-------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 5/16 | ≥ 1/4 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| > 20000 | | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATE OR NAVAL

YEAR

PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

MONTH

VISIBILITY STATUTE MILES

| CEILING
FEET | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .25 | ≥ .1 | ≥ .05 | ≥ .025 | ≥ .01 | ≥ 0 |
|-----------------|------|-----|-----|-----|-----|-------|-----|-------|-----|------|-------|------|-------|--------|-------|-----|
| NO CEILING | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

DATE OF OBSERVATION

CEILING VERSUS VISIBILITY

STATION NAME _____ YEARS _____ MONTH _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 1 2 3 4 5 6 7 8 9 10 11 12

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|-------|-----|-------|--------|-----|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1.25 | ≥ 1 | ≥ .75 | ≥ .5 |
| NO CEILING | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | |
| ≥ 18000 | | | | | | | | | | | | |
| ≥ 16000 | | | | | | | | | | | | |
| ≥ 14000 | | | | | | | | | | | | |
| ≥ 12000 | | | | | | | | | | | | |
| ≥ 10000 | | | | | | | | | | | | |
| ≥ 9000 | | | | | | | | | | | | |
| ≥ 8000 | | | | | | | | | | | | |
| ≥ 7000 | | | | | | | | | | | | |
| ≥ 6000 | | | | | | | | | | | | |
| ≥ 5000 | | | | | | | | | | | | |
| ≥ 4500 | | | | | | | | | | | | |
| ≥ 4000 | | | | | | | | | | | | |
| ≥ 3500 | | | | | | | | | | | | |
| ≥ 3000 | | | | | | | | | | | | |
| ≥ 2500 | | | | | | | | | | | | |
| ≥ 2000 | | | | | | | | | | | | |
| ≥ 1800 | | | | | | | | | | | | |
| ≥ 1500 | | | | | | | | | | | | |
| ≥ 1200 | | | | | | | | | | | | |
| ≥ 1000 | | | | | | | | | | | | |
| ≥ 900 | | | | | | | | | | | | |
| ≥ 800 | | | | | | | | | | | | |
| ≥ 700 | | | | | | | | | | | | |
| ≥ 600 | | | | | | | | | | | | |
| ≥ 500 | | | | | | | | | | | | |
| ≥ 400 | | | | | | | | | | | | |
| ≥ 300 | | | | | | | | | | | | |
| ≥ 200 | | | | | | | | | | | | |
| ≥ 100 | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS 1-24

| CEILING
FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|-----|-----|-----|-----|---------|-----|---------|---------|---------|-----|-------|-------|-------|-------|--------|-------|-------|--------|--------|--------|---------|----|
| | NO
CEILING | > 10 | > 6 | > 5 | > 4 | > 3 | > 2 1/2 | > 2 | > 1 1/2 | > 1 1/4 | > 1 1/8 | > 1 | > 3/4 | > 1/2 | > 1/4 | > 1/8 | > 5/16 | > 1/4 | > 1/8 | > 1/16 | > 1/32 | > 1/64 | > 1/128 | |
| 20000 | AI | | | | | | | | | | | | | | | | | | | | | | | |
| 18000 | AI | AI | | | | | | | | | | | | | | | | | | | | | | |
| 16000 | AI | AI | AI | | | | | | | | | | | | | | | | | | | | | |
| 14000 | AI | AI | AI | AI | | | | | | | | | | | | | | | | | | | | |
| 12000 | AI | AI | AI | AI | AI | | | | | | | | | | | | | | | | | | | |
| 10000 | AI | AI | AI | AI | AI | AI | | | | | | | | | | | | | | | | | | |
| 9000 | AI | AI | AI | AI | AI | AI | AI | | | | | | | | | | | | | | | | | |
| 8000 | AI | AI | AI | AI | AI | AI | AI | AI | | | | | | | | | | | | | | | | |
| 7000 | AI | AI | AI | AI | AI | AI | AI | AI | AI | | | | | | | | | | | | | | | |
| 6000 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | | | | | | | | | | | | | | |
| 5000 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | | | | | | | | | | | | | |
| 4500 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | | | | | | | | | | | | |
| 4000 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | | | | | | | | | | | |
| 3500 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | | | | | | | | | | |
| 3000 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | | | | | | | | | |
| 2500 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | | | | | | | | |
| 2000 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | | | | | | | |
| 1800 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | | | | | | |
| 1500 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | | | | | |
| 1200 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | | | | |
| 1000 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | | | |
| 900 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | | |
| 800 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | |
| 700 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 600 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 500 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 400 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 300 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 200 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 100 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 0 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-------|--------|--------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | |
| ≥ 18000 | | | | | | | | | | | | | | | | | |
| ≥ 16000 | | | | | | | | | | | | | | | | | |
| ≥ 14000 | | | | | | | | | | | | | | | | | |
| ≥ 12000 | | | | | | | | | | | | | | | | | |
| ≥ 10000 | | | | | | | | | | | | | | | | | |
| ≥ 9000 | | | | | | | | | | | | | | | | | |
| ≥ 8000 | | | | | | | | | | | | | | | | | |
| ≥ 7000 | | | | | | | | | | | | | | | | | |
| ≥ 6000 | | | | | | | | | | | | | | | | | |
| ≥ 5000 | | | | | | | | | | | | | | | | | |
| ≥ 4500 | | | | | | | | | | | | | | | | | |
| ≥ 4000 | | | | | | | | | | | | | | | | | |
| ≥ 3500 | | | | | | | | | | | | | | | | | |
| ≥ 3000 | | | | | | | | | | | | | | | | | |
| ≥ 2500 | | | | | | | | | | | | | | | | | |
| ≥ 2000 | | | | | | | | | | | | | | | | | |
| ≥ 1800 | | | | | | | | | | | | | | | | | |
| ≥ 1500 | | | | | | | | | | | | | | | | | |
| ≥ 1200 | | | | | | | | | | | | | | | | | |
| ≥ 1000 | | | | | | | | | | | | | | | | | |
| ≥ 900 | | | | | | | | | | | | | | | | | |
| ≥ 800 | | | | | | | | | | | | | | | | | |
| ≥ 700 | | | | | | | | | | | | | | | | | |
| ≥ 600 | | | | | | | | | | | | | | | | | |
| ≥ 500 | | | | | | | | | | | | | | | | | |
| ≥ 400 | | | | | | | | | | | | | | | | | |
| ≥ 300 | | | | | | | | | | | | | | | | | |
| ≥ 200 | | | | | | | | | | | | | | | | | |
| ≥ 100 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

OFFICIAL RECORD

CEILING VERSUS VISIBILITY

STATION NAME

YEAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|-------|-----|-------|-----|------|-------|-------|------|-------|--------|--------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .25 | ≥ .15 | ≥ .1 | ≥ .05 | ≥ .025 | ≥ .015 | ≥ .01 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| 20000 | | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

OFFICIAL USE ONLY

CEILING VERSUS VISIBILITY

STATION

NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|------|-----|------|-----|-----|-----|-----|-------|--------|--------|--------|---------|---------|
| | ≥ 10 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 1/64 | ≥ 1/128 | ≥ 1/256 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | |
| ≥ 18000 | | | | | | | | | | | | | | | | | |
| ≥ 16000 | | | | | | | | | | | | | | | | | |
| ≥ 14000 | | | | | | | | | | | | | | | | | |
| ≥ 12000 | | | | | | | | | | | | | | | | | |
| ≥ 10000 | | | | | | | | | | | | | | | | | |
| ≥ 9000 | | | | | | | | | | | | | | | | | |
| ≥ 8000 | | | | | | | | | | | | | | | | | |
| ≥ 7000 | | | | | | | | | | | | | | | | | |
| ≥ 6000 | | | | | | | | | | | | | | | | | |
| ≥ 5000 | | | | | | | | | | | | | | | | | |
| ≥ 4500 | | | | | | | | | | | | | | | | | |
| ≥ 4000 | | | | | | | | | | | | | | | | | |
| ≥ 3500 | | | | | | | | | | | | | | | | | |
| ≥ 3000 | | | | | | | | | | | | | | | | | |
| ≥ 2500 | | | | | | | | | | | | | | | | | |
| ≥ 2000 | | | | | | | | | | | | | | | | | |
| ≥ 1800 | | | | | | | | | | | | | | | | | |
| ≥ 1500 | | | | | | | | | | | | | | | | | |
| ≥ 1200 | | | | | | | | | | | | | | | | | |
| ≥ 1000 | | | | | | | | | | | | | | | | | |
| ≥ 900 | | | | | | | | | | | | | | | | | |
| ≥ 800 | | | | | | | | | | | | | | | | | |
| ≥ 700 | | | | | | | | | | | | | | | | | |
| ≥ 600 | | | | | | | | | | | | | | | | | |
| ≥ 500 | | | | | | | | | | | | | | | | | |
| ≥ 400 | | | | | | | | | | | | | | | | | |
| ≥ 300 | | | | | | | | | | | | | | | | | |
| ≥ 200 | | | | | | | | | | | | | | | | | |
| ≥ 100 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

DATE OF REPORT

CEILING VERSUS VISIBILITY

DATA? CON NAME

50

71105

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY STATUTE MILES |
|-----------------|--------------------------|
| NO CEILING | |
| 20000 | |
| 18000 | |
| 16000 | |
| 14000 | |
| 12000 | |
| 10000 | |
| 9000 | |
| 8000 | |
| 7000 | |
| 6000 | |
| 5000 | |
| 4500 | |
| 4000 | |
| 3500 | |
| 3000 | |
| 2500 | |
| 2000 | |
| 1800 | |
| 1600 | |
| 1400 | |
| 1200 | |
| 1000 | |
| 900 | |
| 800 | |
| 700 | |
| 600 | |
| 500 | |
| 400 | |
| 300 | |
| 200 | |
| 100 | |
| 0 | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STAN: ON

1994

500

INDEX

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|-------|-----|-------|--------|-------|--------|-------|--------|-------|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1.25 | ≥ 1.0 | ≥ 0.75 | ≥ 0.5 | ≥ 0.25 | ≥ 0.1 | ≥ 0 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | |
| ≥ 18000 | | | | | | | | | | | | | | | | |
| ≥ 16000 | | | | | | | | | | | | | | | | |
| ≥ 14000 | | | | | | | | | | | | | | | | |
| ≥ 12000 | | | | | | | | | | | | | | | | |
| ≥ 10000 | | | | | | | | | | | | | | | | |
| ≥ 9000 | | | | | | | | | | | | | | | | |
| ≥ 8000 | | | | | | | | | | | | | | | | |
| ≥ 7000 | | | | | | | | | | | | | | | | |
| ≥ 6000 | | | | | | | | | | | | | | | | |
| ≥ 5000 | | | | | | | | | | | | | | | | |
| ≥ 4500 | | | | | | | | | | | | | | | | |
| ≥ 4000 | | | | | | | | | | | | | | | | |
| ≥ 3500 | | | | | | | | | | | | | | | | |
| ≥ 3000 | | | | | | | | | | | | | | | | |
| ≥ 2500 | | | | | | | | | | | | | | | | |
| ≥ 2000 | | | | | | | | | | | | | | | | |
| ≥ 1800 | | | | | | | | | | | | | | | | |
| ≥ 1500 | | | | | | | | | | | | | | | | |
| ≥ 1200 | | | | | | | | | | | | | | | | |
| ≥ 1000 | | | | | | | | | | | | | | | | |
| ≥ 900 | | | | | | | | | | | | | | | | |
| ≥ 800 | | | | | | | | | | | | | | | | |
| ≥ 700 | | | | | | | | | | | | | | | | |
| ≥ 600 | | | | | | | | | | | | | | | | |
| ≥ 500 | | | | | | | | | | | | | | | | |
| ≥ 400 | | | | | | | | | | | | | | | | |
| ≥ 300 | | | | | | | | | | | | | | | | |
| ≥ 200 | | | | | | | | | | | | | | | | |
| ≥ 100 | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

NO. OF

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|-----|-----|-----|-----|-------|--------|--------|--------|---------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 1/64 | ≥ 1/128 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | |
| ≥ 18000 | | | | | | | | | | | | | | | | | |
| ≥ 16000 | | | | | | | | | | | | | | | | | |
| ≥ 14000 | | | | | | | | | | | | | | | | | |
| ≥ 12000 | | | | | | | | | | | | | | | | | |
| ≥ 10000 | | | | | | | | | | | | | | | | | |
| ≥ 9000 | | | | | | | | | | | | | | | | | |
| ≥ 8000 | | | | | | | | | | | | | | | | | |
| ≥ 7000 | | | | | | | | | | | | | | | | | |
| ≥ 6000 | | | | | | | | | | | | | | | | | |
| ≥ 5000 | | | | | | | | | | | | | | | | | |
| ≥ 4500 | | | | | | | | | | | | | | | | | |
| ≥ 4000 | | | | | | | | | | | | | | | | | |
| ≥ 3500 | | | | | | | | | | | | | | | | | |
| ≥ 3000 | | | | | | | | | | | | | | | | | |
| ≥ 2500 | | | | | | | | | | | | | | | | | |
| ≥ 2000 | | | | | | | | | | | | | | | | | |
| ≥ 1800 | | | | | | | | | | | | | | | | | |
| ≥ 1500 | | | | | | | | | | | | | | | | | |
| ≥ 1200 | | | | | | | | | | | | | | | | | |
| ≥ 1000 | | | | | | | | | | | | | | | | | |
| ≥ 900 | | | | | | | | | | | | | | | | | |
| ≥ 800 | | | | | | | | | | | | | | | | | |
| ≥ 700 | | | | | | | | | | | | | | | | | |
| ≥ 600 | | | | | | | | | | | | | | | | | |
| ≥ 500 | | | | | | | | | | | | | | | | | |
| ≥ 400 | | | | | | | | | | | | | | | | | |
| ≥ 300 | | | | | | | | | | | | | | | | | |
| ≥ 200 | | | | | | | | | | | | | | | | | |
| ≥ 100 | | | | | | | | | | | | | | | | | |
| ≥ 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

STATION NAME

CEILING VERSUS VISIBILITY

STATION NAME

STATION

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

PERCENTAGE

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|-------|-----|-------|-----|-------|------|-------|-------|------|-------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .15 | ≥ .1 | ≥ .05 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

FORM 1, 1964 EDITION

CEILING VERSUS VISIBILITY

37A-10M

INVESTIGATOR NAME

YEARS

MONYK

MONSIEUR ?

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| | NO CEILING | 1 | 2 | 3 | 4 | 5 | 6 | 10 | 15 | 20 | 25 | 30 | 35 | 40 | 45 | 50 |
| 20000 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 18000 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 16000 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 14000 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 12000 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 10000 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 9000 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 8000 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 7000 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 6000 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 5000 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 4500 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 4000 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 3500 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 3000 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 2500 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 2000 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 1800 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 1500 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 1200 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 1000 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 900 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 800 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 700 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 600 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 500 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 400 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 300 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 200 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 100 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |
| 0 | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI | AI |

TOTAL NUMBER OF OBSERVATIONS

DEPT. OF AGRICULTURE

CEILING VERSUS VISIBILITY

STATION NAME
YEARS
MONTH
HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-------|--------|--------|---|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/5 | ≥ 1/10 | ≥ 1/20 | 0 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME
MONTH
HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|---------|-----|---------|---------|-----|-------|-------|-------|-------|--------|--------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

CEILING VERSUS VISIBILITY

STATION NAME _____
 YEAR _____
 MONTH _____
 HOURS _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|-------|-----|-------|-----|------|-------|-------|------|-------|--------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1 | ≥ .5 | ≥ .25 | ≥ .15 | ≥ .1 | ≥ .05 | ≥ .025 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | |
| ≥ 18000 | | | | | | | | | | | | | | | | |
| ≥ 16000 | | | | | | | | | | | | | | | | |
| ≥ 14000 | | | | | | | | | | | | | | | | |
| ≥ 12000 | | | | | | | | | | | | | | | | |
| ≥ 10000 | | | | | | | | | | | | | | | | |
| ≥ 9000 | | | | | | | | | | | | | | | | |
| ≥ 8000 | | | | | | | | | | | | | | | | |
| ≥ 7000 | | | | | | | | | | | | | | | | |
| ≥ 6000 | | | | | | | | | | | | | | | | |
| ≥ 5000 | | | | | | | | | | | | | | | | |
| ≥ 4500 | | | | | | | | | | | | | | | | |
| ≥ 4000 | | | | | | | | | | | | | | | | |
| ≥ 3500 | | | | | | | | | | | | | | | | |
| ≥ 3000 | | | | | | | | | | | | | | | | |
| ≥ 2500 | | | | | | | | | | | | | | | | |
| ≥ 2000 | | | | | | | | | | | | | | | | |
| ≥ 1800 | | | | | | | | | | | | | | | | |
| ≥ 1500 | | | | | | | | | | | | | | | | |
| ≥ 1200 | | | | | | | | | | | | | | | | |
| ≥ 1000 | | | | | | | | | | | | | | | | |
| ≥ 900 | | | | | | | | | | | | | | | | |
| ≥ 800 | | | | | | | | | | | | | | | | |
| ≥ 700 | | | | | | | | | | | | | | | | |
| ≥ 600 | | | | | | | | | | | | | | | | |
| ≥ 500 | | | | | | | | | | | | | | | | |
| ≥ 400 | | | | | | | | | | | | | | | | |
| ≥ 300 | | | | | | | | | | | | | | | | |
| ≥ 200 | | | | | | | | | | | | | | | | |
| ≥ 100 | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

STATION NAME _____
 MONTH _____
 YEARS _____
 HOURS (LST) _____

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|-------|-----|-------|-------|-----|-------|------|-------|-------|------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2.5 | ≥ 2 | ≥ 1.5 | ≥ 1.4 | ≥ 1 | ≥ .75 | ≥ .5 | ≥ .25 | ≥ .15 | ≥ .1 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS _____

CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| CEILING
FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|-------|--------|--------|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/8 | ≥ 1/16 | ≥ 1/32 | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | | |
| ≥ 20000 | | | | | | | | | | | | | | | | | |
| 18000 | | | | | | | | | | | | | | | | | |
| 16000 | | | | | | | | | | | | | | | | | |
| 14000 | | | | | | | | | | | | | | | | | |
| 12000 | | | | | | | | | | | | | | | | | |
| 10000 | | | | | | | | | | | | | | | | | |
| 9000 | | | | | | | | | | | | | | | | | |
| 8000 | | | | | | | | | | | | | | | | | |
| 7000 | | | | | | | | | | | | | | | | | |
| 6000 | | | | | | | | | | | | | | | | | |
| 5000 | | | | | | | | | | | | | | | | | |
| 4500 | | | | | | | | | | | | | | | | | |
| 4000 | | | | | | | | | | | | | | | | | |
| 3500 | | | | | | | | | | | | | | | | | |
| 3000 | | | | | | | | | | | | | | | | | |
| 2500 | | | | | | | | | | | | | | | | | |
| 2000 | | | | | | | | | | | | | | | | | |
| 1800 | | | | | | | | | | | | | | | | | |
| 1500 | | | | | | | | | | | | | | | | | |
| 1200 | | | | | | | | | | | | | | | | | |
| 1000 | | | | | | | | | | | | | | | | | |
| 900 | | | | | | | | | | | | | | | | | |
| 800 | | | | | | | | | | | | | | | | | |
| 700 | | | | | | | | | | | | | | | | | |
| 600 | | | | | | | | | | | | | | | | | |
| 500 | | | | | | | | | | | | | | | | | |
| 400 | | | | | | | | | | | | | | | | | |
| 300 | | | | | | | | | | | | | | | | | |
| 200 | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | |
| 0 | | | | | | | | | | | | | | | | | |

TOTAL NUMBER OF OBSERVATIONS

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentation follows:

- a. Seasonal percentage frequency of occurrence - derived from daily observations and presented by month and year for each year combined. These tabulations provide the cumulative percentage frequency to totals of temperature in 5-degree Fahrenheit increments, plus mean temperature, standard deviation, and total number of observations for each temperature value as follows:

- a. Daily maximum temperature
- b. Daily minimum temperature
- c. Daily mean temperature

- b. Extreme values - derived from daily observations with extreme value given for each year and month of record combined. Extreme are provided for each month. If all day for a month contains valid observations. All months for a year must have valid observations before the extreme value is selected for that year. Means and standard deviation are computed for each month and annual and for each year values are provided for each column. Two tables of daily extreme temperature are prepared:

- a. Extreme maximum temperatures
- b. Extreme minimum temperatures

NOTE: An supplementary list also provides extreme temperatures above 100 and below 0 Fahrenheit is reported.

- c. Frequency distribution of extreme values - tabulation of number of occurrences of extreme values for each month and year combined. The frequency distribution of extreme values is provided for each month and year combined. The frequency distribution of extreme values is provided for each month and year combined. The frequency distribution of extreme values is provided for each month and year combined.

- d. Frequency distribution of extreme values - tabulation of number of occurrences of extreme values for each month and year combined. The frequency distribution of extreme values is provided for each month and year combined. The frequency distribution of extreme values is provided for each month and year combined. The frequency distribution of extreme values is provided for each month and year combined.

NOTE: The percentage frequency in this table of 1.0 represents one or more occurrences amounting to 100 percent.

Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the mean of values (\bar{X}), mean of values (ΣX), mean (\bar{X}), and standard deviation (σX). The number of observations and in the calculations for each element is also shown.

At the bottom right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period reported. When number of hours is shown to tenths and indicates mean number of hours per year in the general category, from number of hours per month in the tabulations of mean.

Wet-bulb and dew-point temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, and subsequent to June 1950; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

Mean and standard deviation - These tabulations are derived from monthly observations and presented in the form of tabulation, and total number of observations for the eight standard year groups, the total number of observations at the bottom for all years combined. Records for all years available are included. These are reported in the following:

- a. Dry-bulb temperature
- b. Wet-bulb temperature
- c. Dew-point temperature

Relative percentage frequency of occurrence of relative humidity - This summary is derived from monthly observations and presents the cumulative percentage frequency of occurrence of relative humidity by intervals of 1% dry-bulb, plus the mean relative humidity and total number of observations in the tables.

Relative percentage frequency with annual, all years combined, with months using the verified average.

These are prepared by months of standard 4-hour groups, with the hour groups including the verified average for each month. All values are also included for this category.

Relative percentage frequency of occurrence of relative humidity - This summary is derived from monthly observations and presents the cumulative percentage frequency of occurrence of relative humidity by intervals of 1% dry-bulb, plus the mean relative humidity and total number of observations in the tables.

DAILY TEMPERATURES

SECRET

WWW.EASERV.COM

DAILY TEMPERATURES

WULFATH PERCENTAGE FREQUENCY OF OCCURENCE
FROM DAILY OBSERVATIONS

| TEMP | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUA |
|-----------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-------|
| 100.0 | | | | | | | | | | | | | |
| 99.0 | | | | | | | | | | | | | |
| 98.0 | | | | | | | | | | | | | |
| 97.0 | | | | | | | | | | | | | |
| 96.0 | | | | | | | | | | | | | |
| 95.0 | | | | | | | | | | | | | |
| 94.0 | | | | | | | | | | | | | |
| 93.0 | | | | | | | | | | | | | |
| 92.0 | | | | | | | | | | | | | |
| 91.0 | | | | | | | | | | | | | |
| 90.0 | | | | | | | | | | | | | |
| 89.0 | | | | | | | | | | | | | |
| 88.0 | | | | | | | | | | | | | |
| 87.0 | | | | | | | | | | | | | |
| 86.0 | | | | | | | | | | | | | |
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| TOTAL OBS | | | | | | | | | | | | | |

EXTREME VALUES

References

SOLIS

EXTREME VALUES

434

100

COAST GUARD RESERVE DETACHMENT WASHINGTON, NORTH CAROLINA

EXTREME VALUES

STATION NAME

YEARS

| | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ALL MONTHS |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------|
| MEAN | | | | | | | | | | | | | |
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EXTREME VALUES

YEARS

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PSYCHROMETRIC SUMMARY

3

MONTH

YEARS

STATION NAME

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WET BULB TEMPERATURE DEPRESSION F

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PSYCHROMETRIC SUMMARY

[illegible]

PSYCHROMETRIC SUMMARY

| WET BULB TEMPERATURE DEW POINT | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | | | | | | | | | | | | | | | | |
|--------------------------------|---|---|---|----|---|---|---|---|---|----|----|----|----|----|-------|----|-------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|----------|----------|-----------|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | DB WB | Dry Bulb | Wet Bulb | Dew Point |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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PSYCHROMETRIC SUMMARY

3

PSYCHROMETRIC SUMMARY

PSYCHROMETRIC SUMMARY

AD-A150 375

SUMMARY OF METEOROLOGICAL OBSERVATIONS SURFACE (SMOS)
SIGONELLA SICILY(U) NAVAL OCEANOGRAPHY COMMAND
DETACHMENT ASHEVILLE NC DEC 84

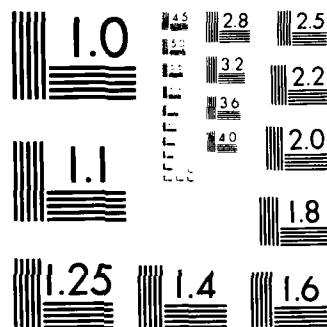
4/4

UNCLASSIFIED

F/G 4/2

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| | | | | | TIME | | | | | | | | |
| | | | | | DATE | | | | | | | | |



MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

PSYCHROMETRIC SUMMARY

[illegible]

PSYCHROMETRIC SUMMARY

| STATION | STATION NAME | YEARS | MONTH | HOURS (LST) |
|---------|--------------|-------|-------|-------------|
| 4 | 1 | 1 | J | A 11 |

[illegible]

NAVWEASERVCOM

PSYCHROMETRIC SUMMARY

| STATION | STATION NAME | YEARS | MONTH | DAY | HOURS (LST) |
|---------|--------------|-------|-------|-----|-------------|
| | | | | 15 | |

[illegible]

PSYCHROMETRIC SUMMARY

| STATION | STATION NAME | YEARS | MONTH |
|---------|--------------|-------|-------|
| 1 | 1 | 1 | 1 |
| 2 | 2 | 2 | 2 |
| 3 | 3 | 3 | 3 |
| 4 | 4 | 4 | 4 |
| 5 | 5 | 5 | 5 |
| 6 | 6 | 6 | 6 |
| 7 | 7 | 7 | 7 |
| 8 | 8 | 8 | 8 |
| 9 | 9 | 9 | 9 |
| 10 | 10 | 10 | 10 |
| 11 | 11 | 11 | 11 |
| 12 | 12 | 12 | 12 |
| 13 | 13 | 13 | 13 |
| 14 | 14 | 14 | 14 |
| 15 | 15 | 15 | 15 |
| 16 | 16 | 16 | 16 |
| 17 | 17 | 17 | 17 |
| 18 | 18 | 18 | 18 |
| 19 | 19 | 19 | 19 |
| 20 | 20 | 20 | 20 |
| 21 | 21 | 21 | 21 |
| 22 | 22 | 22 | 22 |
| 23 | 23 | 23 | 23 |
| 24 | 24 | 24 | 24 |
| 25 | 25 | 25 | 25 |
| 26 | 26 | 26 | 26 |
| 27 | 27 | 27 | 27 |
| 28 | 28 | 28 | 28 |
| 29 | 29 | 29 | 29 |
| 30 | 30 | 30 | 30 |
| 31 | 31 | 31 | 31 |
| 32 | 32 | 32 | 32 |
| 33 | 33 | 33 | 33 |
| 34 | 34 | 34 | 34 |
| 35 | 35 | 35 | 35 |
| 36 | 36 | 36 | 36 |
| 37 | 37 | 37 | 37 |
| 38 | 38 | 38 | 38 |
| 39 | 39 | 39 | 39 |
| 40 | 40 | 40 | 40 |
| 41 | 41 | 41 | 41 |
| 42 | 42 | 42 | 42 |
| 43 | 43 | 43 | 43 |
| 44 | 44 | 44 | 44 |
| 45 | 45 | 45 | 45 |
| 46 | 46 | 46 | 46 |
| 47 | 47 | 47 | 47 |
| 48 | 48 | 48 | 48 |
| 49 | 49 | 49 | 49 |
| 50 | 50 | 50 | 50 |
| 51 | 51 | 51 | 51 |
| 52 | 52 | 52 | 52 |
| 53 | 53 | 53 | 53 |
| 54 | 54 | 54 | 54 |
| 55 | 55 | 55 | 55 |
| 56 | 56 | 56 | 56 |
| 57 | 57 | 57 | 57 |
| 58 | 58 | 58 | 58 |
| 59 | 59 | 59 | 59 |
| 60 | 60 | 60 | 60 |
| 61 | 61 | 61 | 61 |
| 62 | 62 | 62 | 62 |
| 63 | 63 | 63 | 63 |
| 64 | 64 | 64 | 64 |
| 65 | 65 | 65 | 65 |
| 66 | 66 | 66 | 66 |
| 67 | 67 | 67 | 67 |
| 68 | 68 | 68 | 68 |
| 69 | 69 | 69 | 69 |
| 70 | 70 | 70 | 70 |
| 71 | 71 | 71 | 71 |
| 72 | 72 | 72 | 72 |
| 73 | 73 | 73 | 73 |
| 74 | 74 | 74 | 74 |
| 75 | 75 | 75 | 75 |
| 76 | 76 | 76 | 76 |
| 77 | 77 | 77 | 77 |
| 78 | 78 | 78 | 78 |
| 79 | 79 | 79 | 79 |
| 80 | 80 | 80 | 80 |
| 81 | 81 | 81 | 81 |
| 82 | 82 | 82 | 82 |
| 83 | 83 | 83 | 83 |
| 84 | 84 | 84 | 84 |
| 85 | 85 | 85 | 85 |
| 86 | 86 | 86 | 86 |
| 87 | 87 | 87 | 87 |
| 88 | 88 | 88 | 88 |
| 89 | 89 | 89 | 89 |
| 90 | 90 | 90 | 90 |
| 91 | 91 | 91 | 91 |
| 92 | 92 | 92 | 92 |
| 93 | 93 | 93 | 93 |
| 94 | 94 | 94 | 94 |
| 95 | 95 | 95 | 95 |
| 96 | 96 | 96 | 96 |
| 97 | 97 | 97 | 97 |
| 98 | 98 | 98 | 98 |
| 99 | 99 | 99 | 99 |
| 100 | 100 | 100 | 100 |

[illegible]

PSYCHROMETRIC SUMMARY

STATION NAME: _____ MONTH: _____ YEARS: _____ HOURS (LST): _____

| TEMPERATURE | WET BULB TEMPERATURE DEPRESSION (F.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | Dew Point | |
|-------------|--------------------------------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|-------|-----------|----------|----------|-----------|--|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 | D.B. W.B. | Dry Bulb | Wet Bulb | | |
| 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 63 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 69 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 71 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 73 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 75 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 77 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 79 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 95 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| 99 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 100 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| Element | $\sum X$ | $\sum X^2$ | \bar{X} | σ_x | No. Obs. | Mean No. of Hours with Temperature | | | | | Total |
|-----------|----------|------------|-----------|------------|----------|------------------------------------|-------|-------|-------|-------|-------|
| Ref. Hum. | | | | | | ±0 F | ±32 F | ±67 F | ±73 F | ±80 F | ±93 F |
| Dry Bulb | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | |

[illegible]

MEANS AND STANDARD DEVIATIONS

2000

YEAPPS

[illegible]

MEANS AND STANDARD DEVIATIONS

YEARS

[illegible]

RELATIVE HUMIDITY

[illegible]

11

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO OF
CES |
|--------|--------------|--|-------|-------|-------|-------|------|------|------|------|------------------------------|-----------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| | 0 | 100.0 | 100.0 | 100.0 | 100.0 | 99.0 | 97.0 | 70.0 | 50.0 | 37.1 | 10 | |
| | 1 | 100.0 | 100.0 | 100.0 | 99.0 | 98.0 | 97.1 | 93.0 | 80.0 | 61.1 | 10 | |
| | 2 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 97.0 | 80.0 | 60.0 | 47.0 | 10 | |
| | 3 | 100.0 | 100.0 | 100.0 | 99.0 | 98.0 | 75.0 | 52.0 | 34.7 | 20.0 | 10 | |
| | 4 | 100.0 | 100.0 | 95.0 | 76.0 | 50.0 | 28.0 | 16.0 | 8.0 | 3.0 | 7 | |
| | 5 | 100.0 | 100.0 | 94.0 | 77.0 | 51.0 | 30.0 | 11.0 | 3.0 | 0.0 | 10 | |
| | 6 | 100.0 | 100.0 | 90.0 | 70.0 | 40.0 | 20.0 | 7.0 | 1.0 | 0.0 | 10 | |
| | 7 | 100.0 | 100.0 | 80.0 | 50.0 | 30.0 | 10.0 | 3.0 | 0.0 | 0.0 | 10 | |
| | 8 | 100.0 | 100.0 | 60.0 | 30.0 | 10.0 | 5.0 | 1.0 | 0.0 | 0.0 | 10 | |
| TOTALS | | 1000 | 1000 | 1000 | 990 | 980 | 750 | 520 | 340 | 200 | 100 | |

RELATIVE HUMIDITY

3

STATION NAME

FEB 72

1000

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS |
|-------|--------------|--|-----|-----|-----|-----|-----|-----|-----|-----|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| | 1 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | 2 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | 3 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | 4 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | 5 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | 6 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | 7 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | 8 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | 9 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | 10 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | 11 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | 12 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | 13 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | 14 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | 15 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | 16 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | 17 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | 18 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | 19 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | 20 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | 21 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | 22 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | 23 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | 24 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |
| | TOTALS | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 |

RELATIVE HUMIDITY

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS |
|--------|--------------|--|------|------|-----|------|------|------|------|------|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| 1 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 68.7 | 12 |
| 2 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 68.8 | 117 |
| 3 | 1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.1 | 0.0 | 0.0 | 68.1 | 13 |
| 4 | 0 | 0.0 | 0.0 | 0.0 | 0.0 | 72.0 | 40.0 | 22.1 | 11.0 | 0.0 | 68.0 | 17 |
| 5 | 0 | 0.0 | 7.0 | 7.0 | 5.0 | 20.0 | 30.0 | 17.0 | 0.0 | 0.0 | 61.0 | 103 |
| 6 | 0 | 0.0 | 0.0 | 21.0 | 8.0 | 0.0 | 40.0 | 20.0 | 12.0 | 0.0 | 60.2 | 101 |
| 7 | 0 | 0.0 | 24.0 | 22.0 | 0.0 | 0.0 | 70.0 | 16.0 | 0.0 | 0.0 | 70.0 | 223 |
| 8 | 0 | 0.0 | 20.0 | 10.0 | 0.0 | 0.0 | 60.0 | 0.0 | 0.0 | 0.0 | 65.4 | 109 |
| TOTALS | | 0.0 | 0.1 | 27.1 | 7.1 | 0.0 | 77.0 | 17.0 | 47.0 | 20.0 | 70.5 | 1741 |

OCEANAV-SMOS

RELATIVE HUMIDITY

10

STATISTICS NAME

100

3

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS |
|--------|--------------|--|------|------|------|------|------|------|------|------|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| | 1 | 100 | 100 | 100 | 97.5 | 96.1 | 91.2 | 84.0 | 77.0 | 68.0 | 219 | |
| | 2 | 100 | 100 | 100 | 100 | 99.1 | 97.8 | 96.8 | 95.4 | 90.7 | 211 | |
| | 3 | 100 | 100 | 100 | 100 | 97.5 | 94.5 | 89.0 | 80.2 | 61.9 | 200 | |
| | 4 | 100 | 100 | 100 | 99.5 | 91.9 | 80.8 | 69.5 | 59.0 | 42.3 | 197 | |
| | 5 | 100 | 100 | 100 | 100 | 99.5 | 96.0 | 94.0 | 91.7 | 84.4 | 231 | |
| | 6 | 100 | 100 | 100 | 97.7 | 87.7 | 77.7 | 67.7 | 59 | 41.1 | 200 | |
| | 7 | 100 | 100 | 100 | 99.0 | 90.0 | 81.0 | 70.0 | 59 | 40.4 | 227 | |
| | 8 | 100 | 100 | 100 | 99.0 | 97.0 | 93.0 | 88.0 | 80.0 | 62.4 | 214 | |
| TOTALS | | 1000 | 1000 | 1000 | 999 | 959 | 869 | 769 | 669 | 489 | 1709 | |

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

RELATIVE HUMIDITY

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STATION NAME

PERIOD

MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
LST | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | MEAN
RELATIVE
HUMIDITY | TOTAL
NO OF
OBS |
|--------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------------------------------|-----------------------|
| JAN | 1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100 |
| FEB | 1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100 |
| MAR | 1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100 |
| APR | 1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100 |
| MAY | 1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100 |
| JUN | 1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100 |
| JUL | 1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100 |
| AUG | 1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100 |
| SEP | 1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100 |
| OCT | 1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100 |
| NOV | 1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100 |
| DEC | 1 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100 |
| TOTALS | | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 1000 |

RELATIVE HUMIDITY

3

STAT. 14 NAME:

100

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

RELATIVE HUMIDITY

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS

| MONTH | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | MEAN
RELATIVE
HUMIDITY | TOTAL
NUMBER
OBS. |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------------------------------|-------------------------|
| JAN | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 74.1 | 300 |
| FEB | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 74.2 | 300 |
| MAR | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 74.3 | 300 |
| APR | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 74.4 | 300 |
| MAY | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 74.5 | 300 |
| JUN | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 74.6 | 300 |
| JUL | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 74.7 | 300 |
| AUG | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 74.8 | 300 |
| SEPT | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 74.9 | 300 |
| OCT | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 75.0 | 300 |
| NOV | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 75.1 | 300 |
| DEC | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 75.2 | 300 |
| TOTALS | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 100 | 75.0 | 3000 |

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
FROM HOURLY OBSERVATIONS.

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RELATIVE HUMIDITY

SYNOPSIS: 44M:

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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

[illegible]

OCEANAV-SMOS

RELATIVE HUMIDITY

STATION NAME

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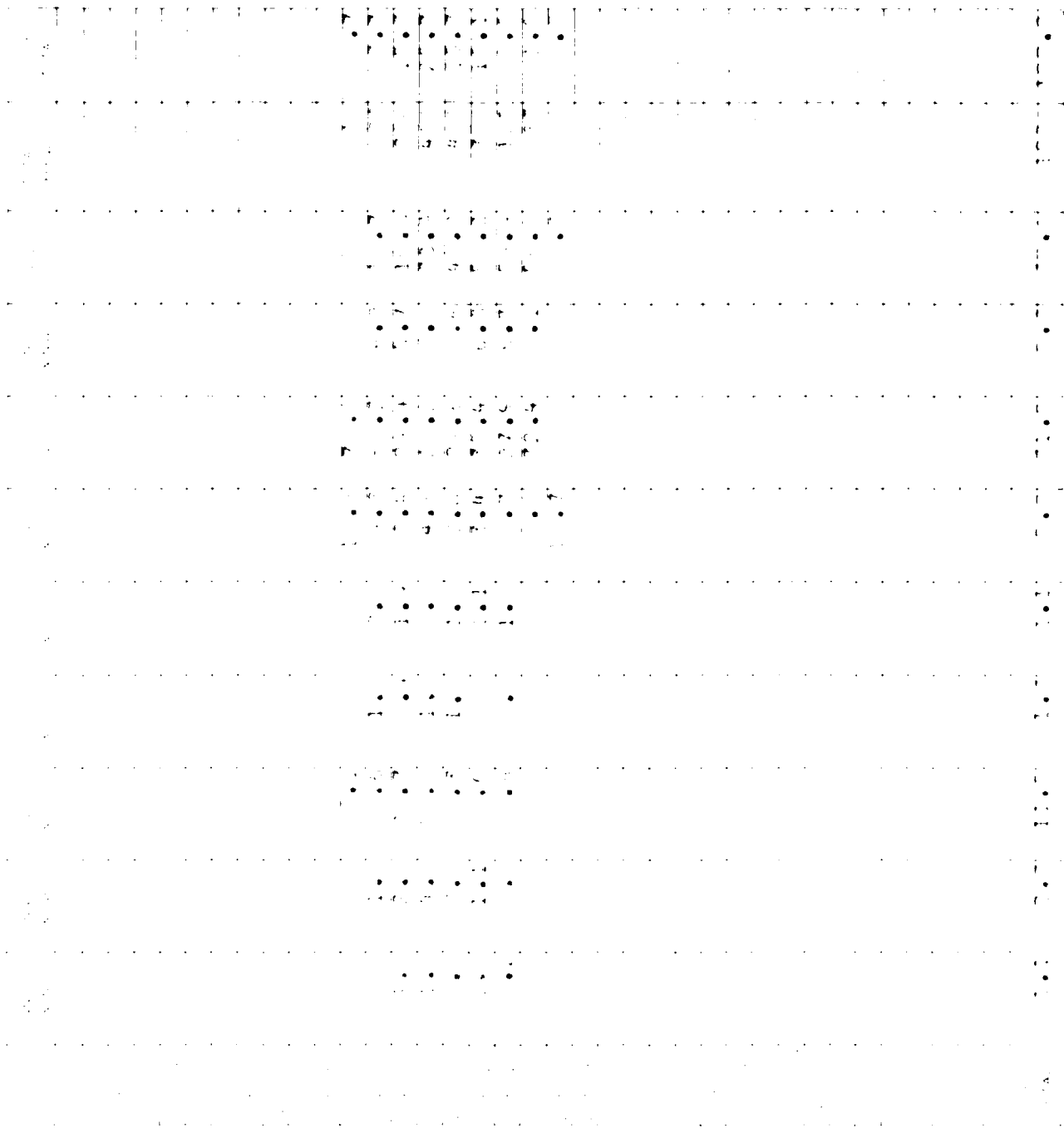
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CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS
LST | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | MEAN
RELATIVE
HUMIDITY | TOTAL
NO. OF
OBS. |
|--------|--------------|--|-------|-------|------|------|------|-----|-----|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | | |
| | 0.0 | 100.0 | 100.0 | 100.0 | 4.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 1.0 | 100.0 | 100.0 | 100.0 | 3.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 2.0 | 100.0 | 100.0 | 100.0 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 3.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 4.0 | 100.0 | 100.0 | 100.0 | 4.0 | 71.0 | 60.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 5.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 6.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 7.0 | 100.0 | 100.0 | 100.0 | 11.0 | 50.0 | 40.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 8.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 9.0 | 100.0 | 100.0 | 100.0 | 0.0 | 70.0 | 61.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 10.0 | 100.0 | 100.0 | 100.0 | 1.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 11.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 12.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 13.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 14.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 15.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 16.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 17.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 18.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 19.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 20.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 21.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 22.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 23.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 24.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 25.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 26.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 27.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 28.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 29.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 30.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 31.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 32.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 33.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 34.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 35.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 36.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 37.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 38.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 39.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 40.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 41.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 42.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 43.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 44.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 45.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 46.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 47.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 48.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 49.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 50.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 51.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 52.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 53.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 54.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 55.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 56.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 57.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 58.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 59.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 60.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 61.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 62.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 63.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 64.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 65.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 66.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 67.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 68.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 69.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 70.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 71.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 72.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 73.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 74.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 75.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 76.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 77.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 78.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 79.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 80.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 81.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 82.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 83.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 84.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 85.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 86.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 87.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 88.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 89.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 90.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 91.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 92.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 93.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 94.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 95.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 96.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 97.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 98.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 99.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| | 100.0 | 100.0 | 100.0 | 100.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 100.0 |
| TOTALS | | 100.0 | 100.0 | 100.0 | 7.0 | 70.0 | 60.0 | 0.0 | 0.0 | 0.0 | 100.0 |

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

WIND DIRECTION

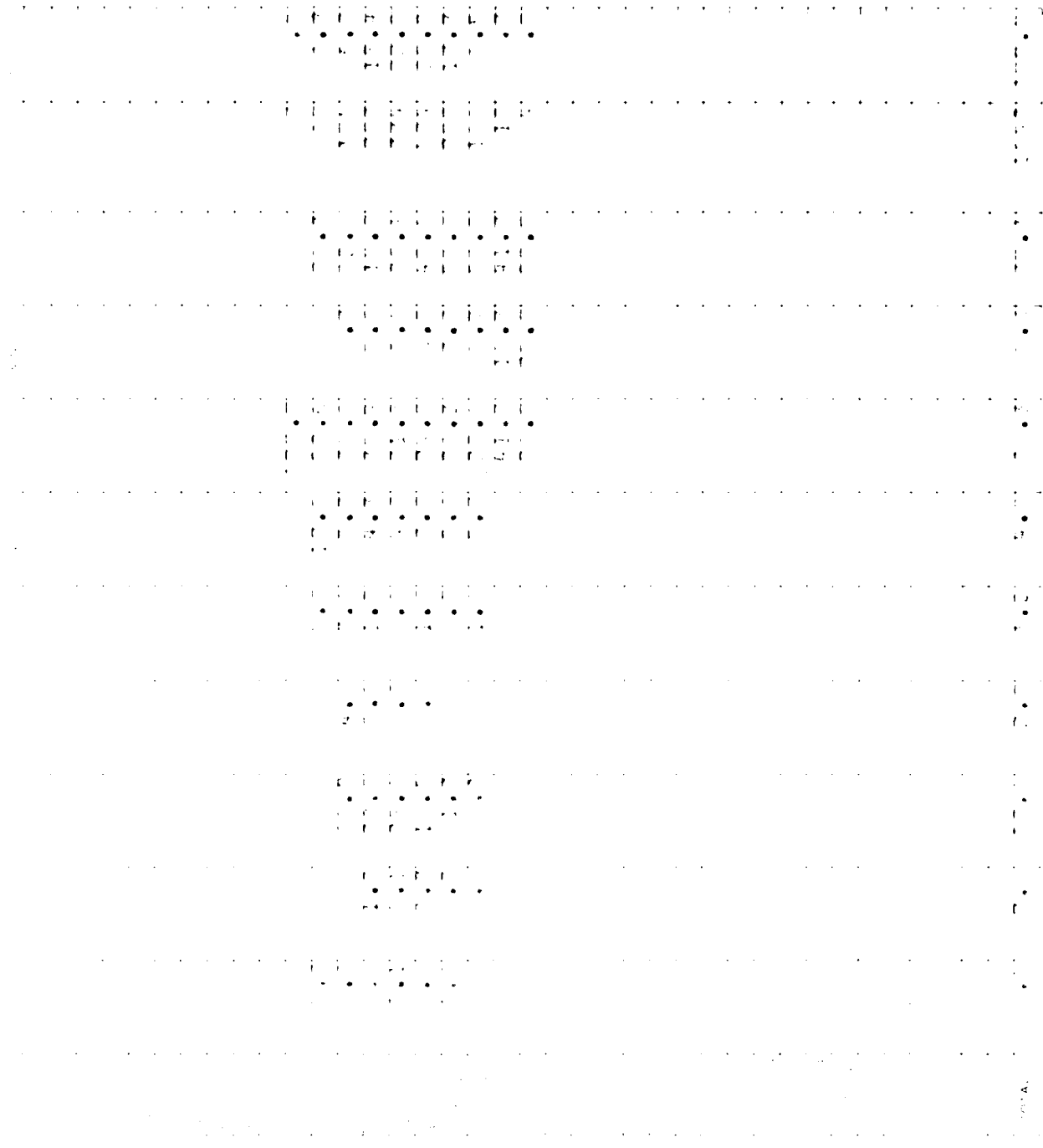


PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS

WIND DIRECTION

WIND REGION



PERCENTAGE FREQUENCY OF AIR TEMPERATURE

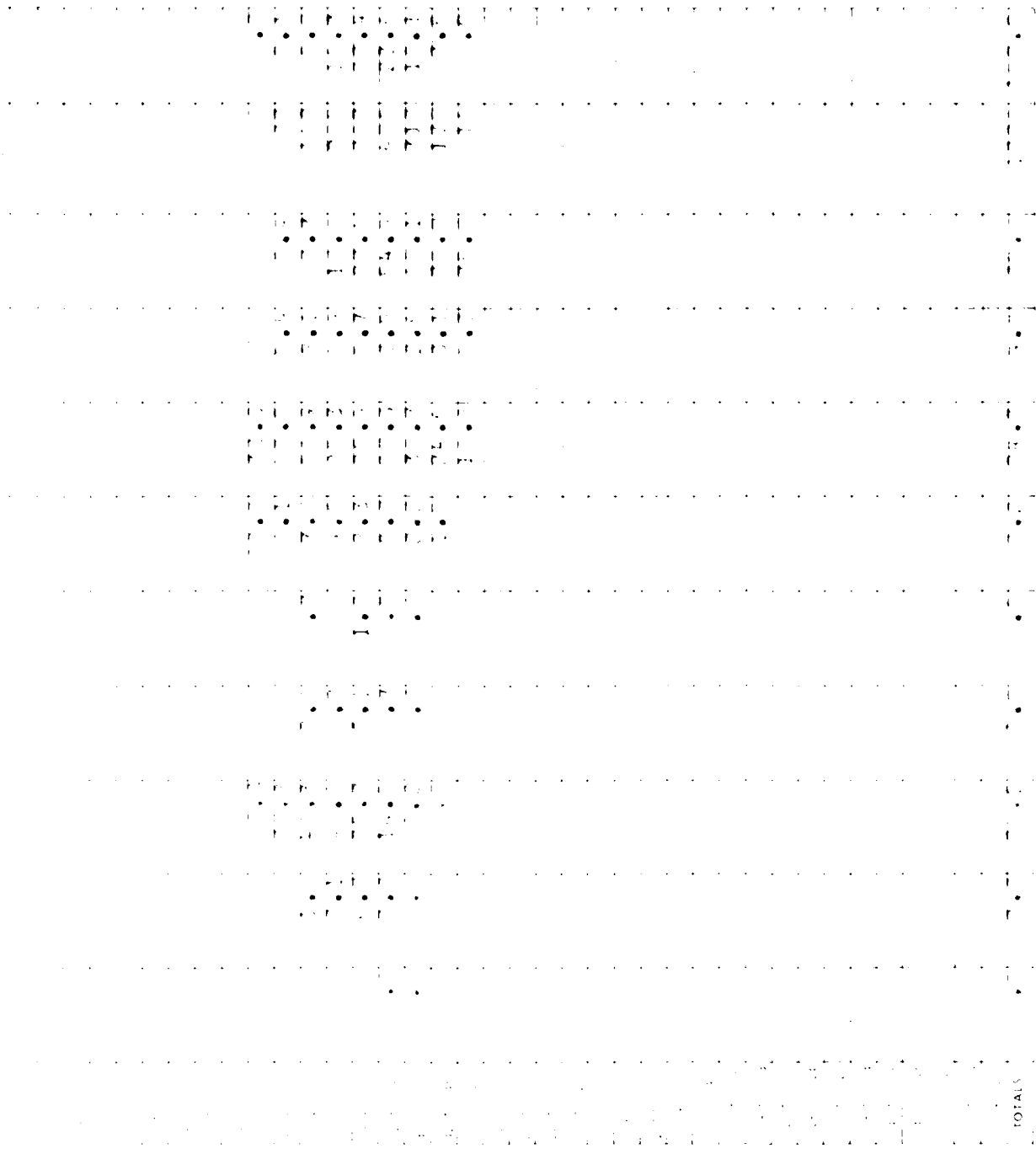
VS.

WIND DIRECTION

WIND DIRECTION

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

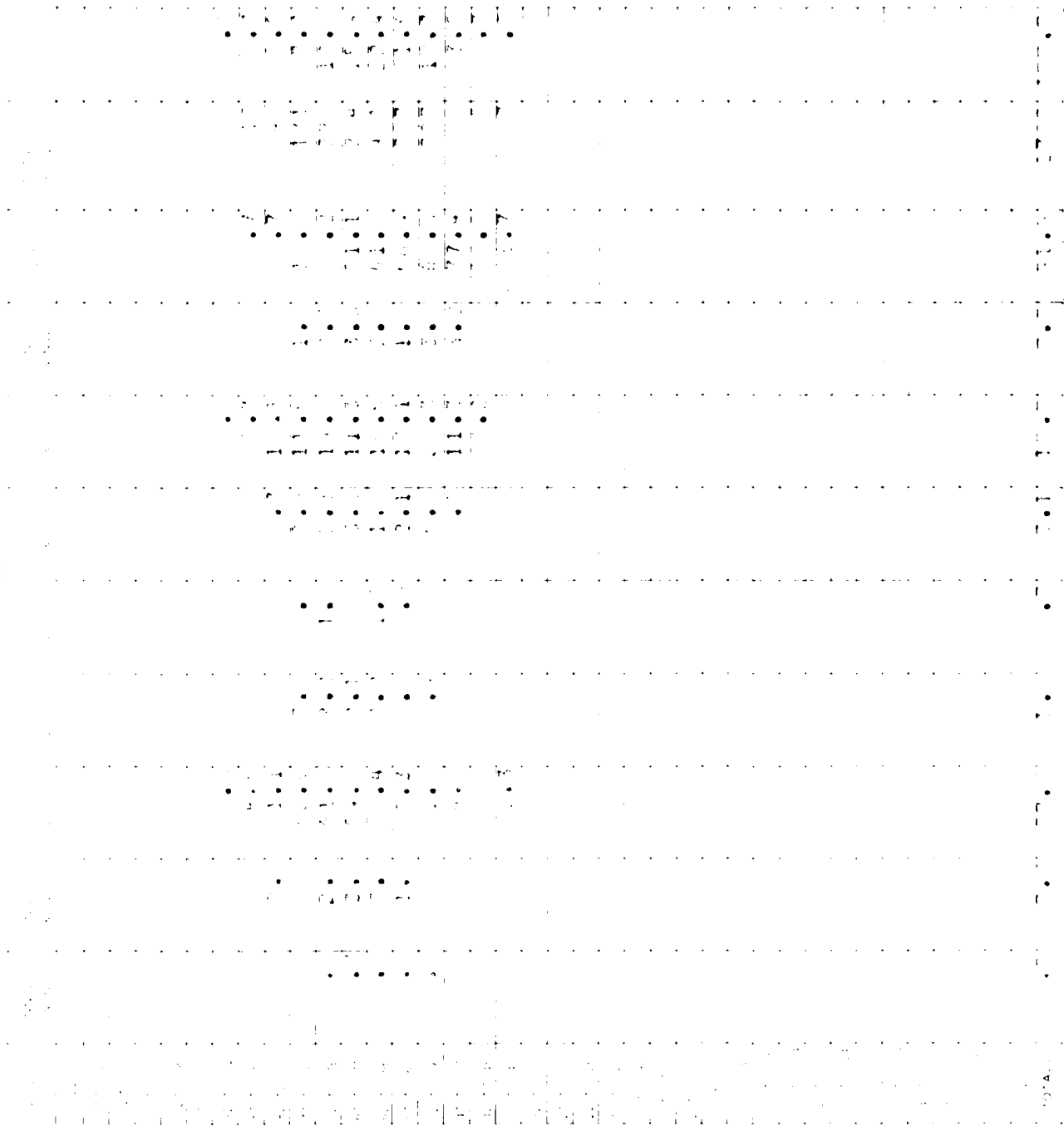
WIND DIRECTION



TOTALS

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

WIND DIRECTION



PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

WIND DIRECTION

WIND DIRECTION

PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.

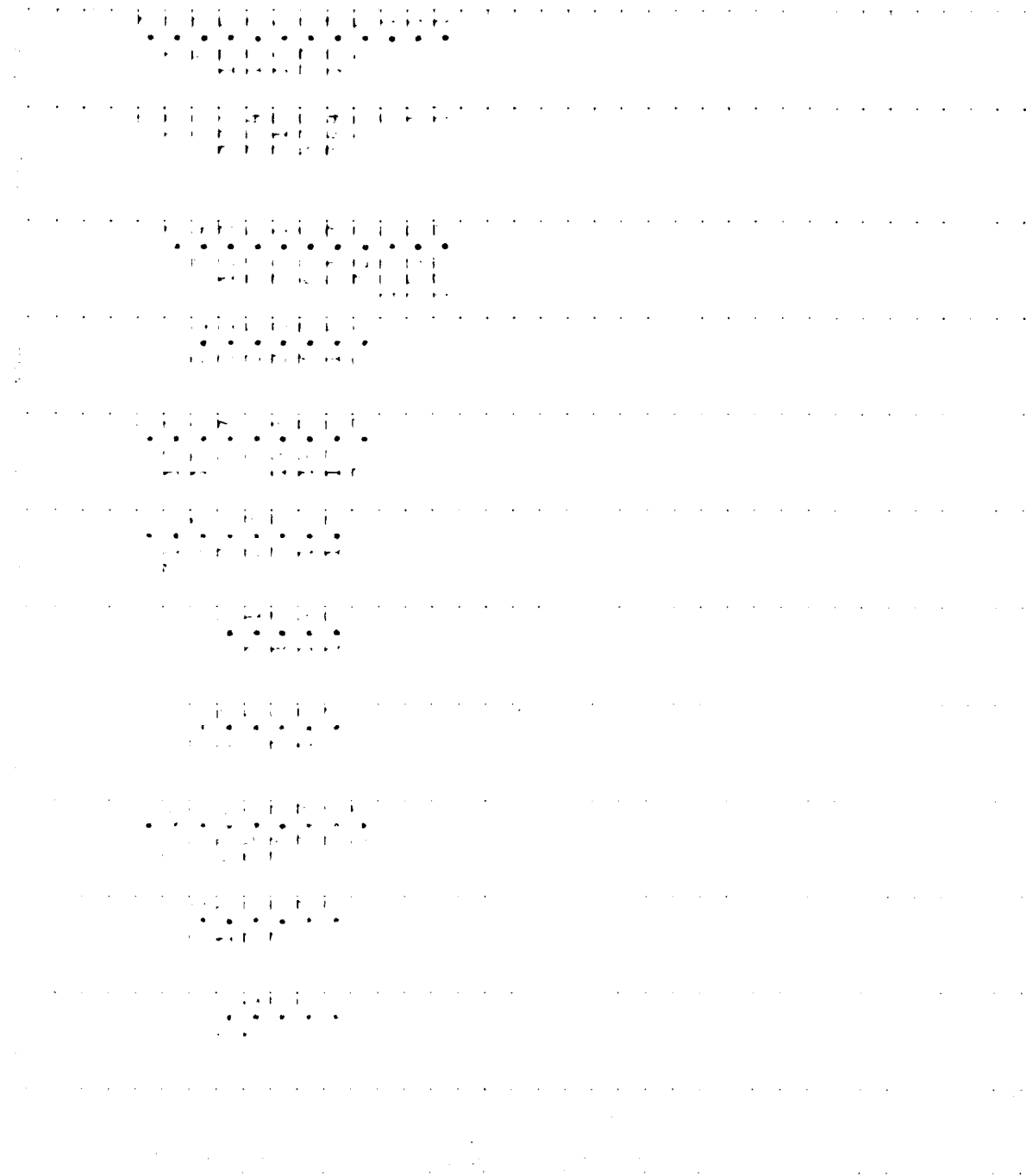
WIND DIRECTION

WIND DIRECTION

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PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS
WIND DIRECTION

WIND DIRECTION



PERCENTAGE FREQUENCY OF AIR TEMPERATURE

VS.

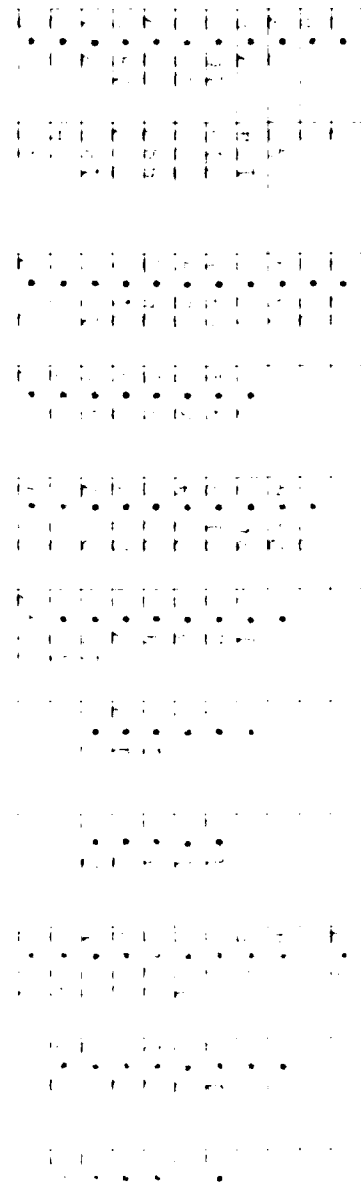
WIND DIRECTION

WIND DIRECTION

II

WIND AND FREQUENCY OF AIR TEMPERATURE
VS
WIND DIRECTION

WIND DIRECTION

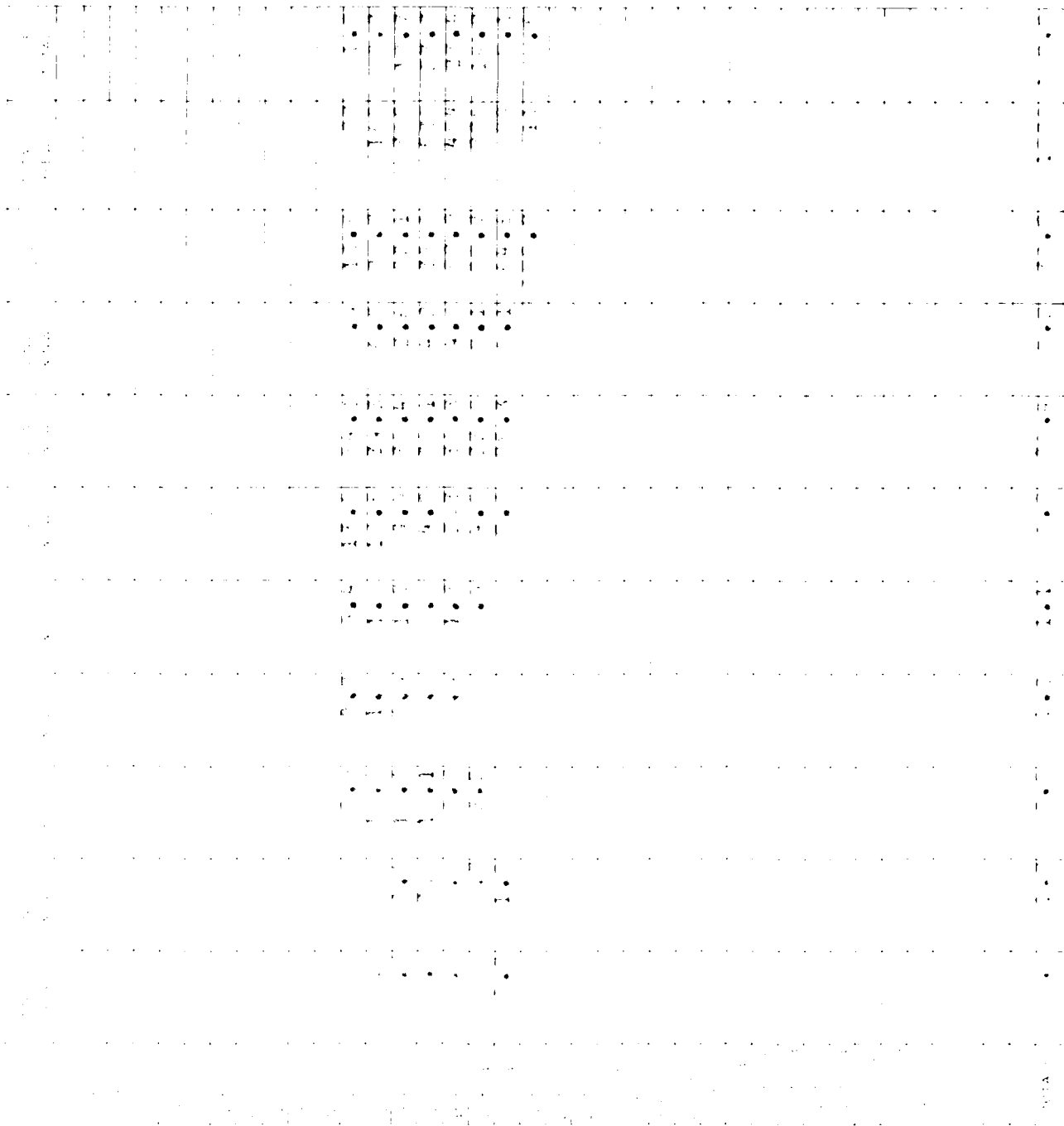


REQUIREMENTS

REQUIREMENTS

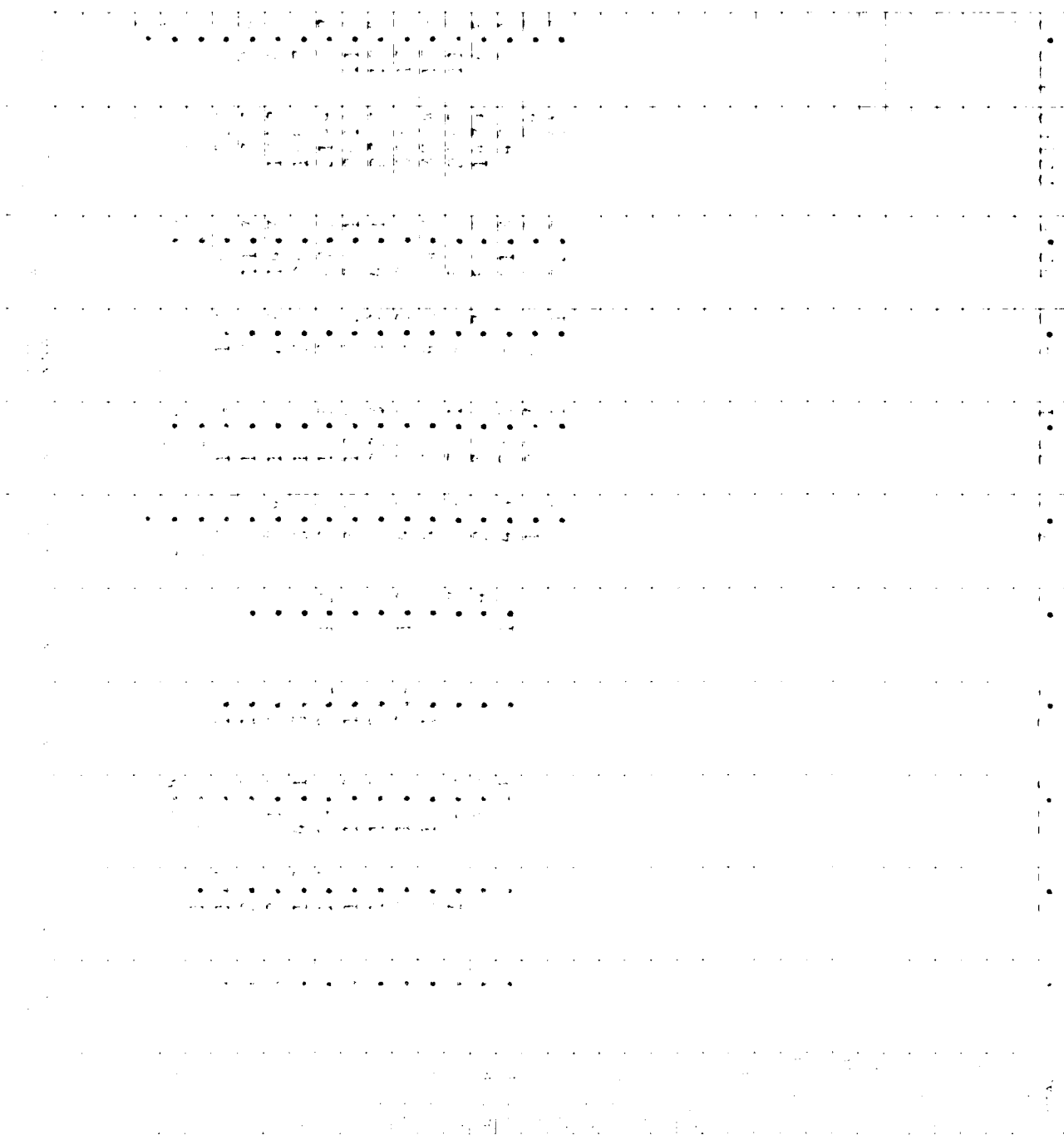
PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

WIND DIRECTION



PERCENTAGE FREQUENCY OF AIR TEMPERATURE
VS.
WIND DIRECTION

WIND DIRECTION



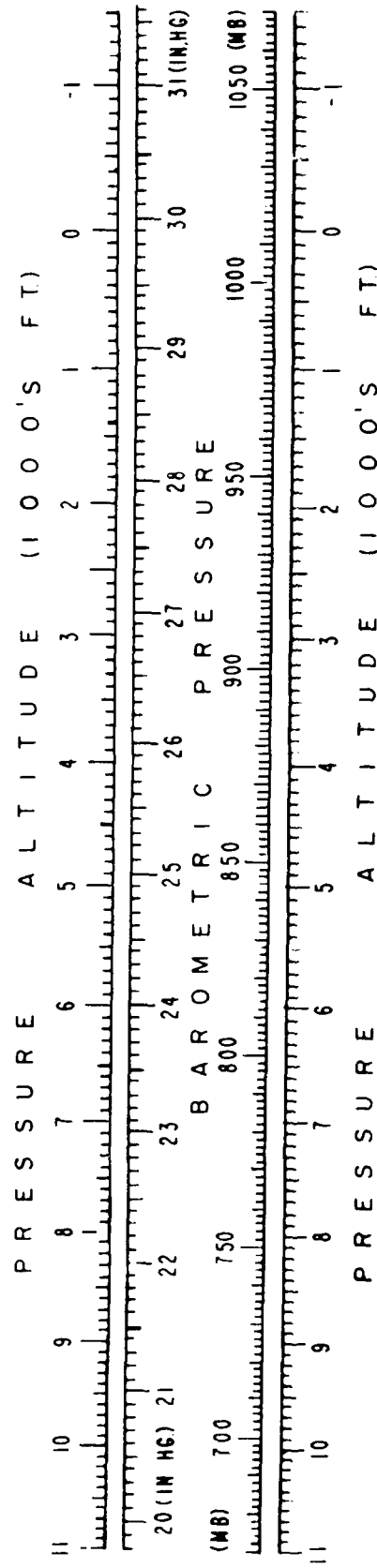
PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited to January 1946 through December 1963 because of changes in reporting practices before and after those dates.

1. Station pressure in inches of mercury.
2. Sea-level pressure in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure altitude in 1000's of feet. This scale is an enlarged model of the pressure altitude scale in the Smithsonian Meteorological Tables.



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